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STS OPS FLIGHT PRD, VOLUME I PRD/PSP/OR/OD

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STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

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FLS1031.002

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PROGRAM NUMBER: 20000

SECTION 1060 - KEY TECHNICAL PERSONNEL

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 20916 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 01/24/07

INITIAL DATE: 02/23/90
ITEM NUMBER: G10 DATE LAST CHANGED: 01/25/07
SECTION: 1060 TIME LAST CHANGED: 10:15:10

REQUESTER: GSFC TEST CODE: INFO

1. NAME: JAMES BANGERTER (R/R MANAGER)

2. ORGANIZATION: GSFC/450.1

3. TITLE/OFFICE: Networks Integration Office Code 450.1

4. BUSINESS ADDR: Goddard Space Flight Center, Greenbelt, MD 20771

5. TELEPHONE NO.: (301) 286-7306

6. FACSIMILE:

[PRD] DATABASE RECORD: 20917 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 01/24/07
INITIAL DATE: 02/23/90

 ITEM NUMBER:
 G11
 DATE LAST CHANGED:
 01/25/07

 SECTION:
 1060
 TIME LAST CHANGED:
 10:13:25

REQUESTER: GSFC TEST CODE: INFO

1. NAME: James Bangerter, Network Director

2. ORGANIZATION: GSFC/450.1

3. TITLE/OFFICE: Networks Integration Management Office 450.1
4. BUSINESS ADDR: Goddard Space Flight Center, Greenbelt, MD 20771

5. TELEPHONE NO.: (301) 286-7306

6. FACSIMILE:

[PRD] DATABASE RECORD: 20918 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 09/06/05

INITIAL DATE: 02/23/90
ITEM NUMBER: G12 DATE LAST CHANGED: 02/08/07

SECTION: 1060 TIME LAST CHANGED: 13:53:46

REQUESTER: GSFC TEST CODE: INFO

1. NAME: Gary Morse

FLS1060.001 PAGE SEQUENCE NUMBER: 3 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)

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SECTION 1060 - KEY TECHNICAL PERSONNEL

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 20918

ITEM NUMBER: G12

2. ORGANIZATION: STDN/MILA3. TITLE/OFFICE: Station Director4. BUSINESS ADDR: NASA/STDN Merritt Island Station

Mail Code: MILA

John F. Kennedy Space Center Kennedy Space Center, Florida

32899

5. TELEPHONE NO.: (321) 867-3514 6. FACSIMILE: (321) 867-4416

[PRD] DATABASE RECORD: 20919 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 01/24/07 DOCUMENT ID: FLT-I INITIAL DATE: 02/23/90

G13 DATE LAST CHANGED: 01/24/07 ITEM NUMBER: TIME LAST CHANGED: 10:31:42 1060 SECTION:

REQUESTER: GSFC SUBREQUESTER: GSFC/450 TEST CODE: INFO

1. NAME: James Bangerter

2. ORGANIZATION: GSFC/450.13. TITLE/OFFICE: Networks Integration Office Code 450.1

4. BUSINESS ADDR: Goddard Space Flight Center, Greenbelt, MD 20771

5. TELEPHONE NO.: (301) 286-7306 6. FACSIMILE: (301) 286-0275

[PRD] DATABASE RECORD: 20993 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 06/30/93 INITIAL DATE: 02/27/90 ITEM NUMBER: Y18 DATE LAST CHANGED: 07/03/02 1060 SECTION: TIME LAST CHANGED: 08:04:38

REQUESTER: NASA HO TEST CODE: INFO

CHARLES F. PERRY (SRS MANAGER) 1. NAME:

2. ORGANIZATION: ME, PID SCA001
3. TITLE/OFFICE: SPACE SHUTTLE HEADQUARTERS SUPPORT OFFICE 4. BUSINESS ADDR: NASA, Flight and Turnaround Operations

Washington, D.C. 20546

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SECTION 1060 - KEY TECHNICAL PERSONNEL

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CONTINUED

[PRD] DATABASE RECORD: 20993

ITEM NUMBER: Y18

5. TELEPHONE NO.: (202) 358-4449 6. FACSIMILE: (202) 358-2818

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 14024 REOUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/08/93

ITEM NUMBER: G1.8E

[PRD] DATABASE RECORD: 333974 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/28/07 INITIAL DATE: 01/12/87 DOCUMENT ID: FLT-I ITEM NUMBER: G13T DATE LAST CHANGED: 11/26/07 SECTION: 2000 TIME LAST CHANGED: 14:48:14

REQUESTER: GSFC SUBREQUESTER: GSFC/534

TEST CODE: PREFLT STSALL

NETWORK AND RANGE SUPPORT PREPARATION 1. DESCRIPTION:

GSFC requires the Preliminary Mission Terminal Countdown support count. The count support is to be sent to GSFC GCEN/450. This office requires the preliminary support count to support timely preparation of the Network and Range Countdown 14 working days prior to Launch.

Comment: If no network simulation is scheduled then no preliminary count is required. This change defines a point prior to launch for delivery of the preliminary countdown.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/28/07 ______

[PRD] DATABASE RECORD: 338114 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/18/04 INITIAL DATE: 01/12/87 ITEM NUMBER: G14 DATE LAST CHANGED: 09/07/05 2000 TIME LAST CHANGED: 15:04:14 SECTION:

REQUESTER: F403-3 SUBREQUESTER: INFO TEST CODE:

1. DESCRIPTION: JSC/DSMC CONTROL INTERFACES

A JSC/DSMC interface is required for transmission of scheduling and ground control messages from JSC and receipt of status messages from

______ PAGE SEQUENCE NUMBER: 6 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

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CONTINUED

[PRD] DATABASE RECORD: 338114

ITEM NUMBER: G14

DSMC. The DSMC delay on JSC-originated ground control messages shall normally not exceed two seconds, with worst case delay of four seconds.

[PRD] DATABASE RECORD: 341798 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/14/08

ITEM NUMBER: G15EKT

[PRD] DATABASE RECORD: 343342 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/28/07 INITIAL DATE: 01/12/87 DOCUMENT ID: FLT-I

G16T ITEM NUMBER: DATE LAST CHANGED: 11/26/07 SECTION: 2000 TIME LAST CHANGED: 14:49:37

GSFC
SUBREQUESTER: GSFC/452
TEST CODE: ALDER

ALPHSE STSALL

1. DESCRIPTION: DSMC INTERFACES

JSC is required to have the capability to interface with the DSMC for transferring/receiving the following data:

- 1. Schedule information.
- 2. Operations Control messages.
- 3. Reconfiguration Request messages.
- 4. Status and Performance data.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUBSUPPLIER: USH-443C

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/28/07

______ [PRD] DATABASE RECORD: 10305 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: APPROVAL DATE: 05/05/08 FT₂T-T

03/23/88 INITIAL DATE: G37GSX ITEM NUMBER: DATE LAST CHANGED: 05/05/08 TIME LAST CHANGED: 11:48:46 SECTION:

REQUESTER: GSFC

SUBREQUESTER: GSFC/450.2

______ PAGE SEQUENCE NUMBER: 7 REF UDS R G/A FLS2000.002

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

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CONTINUED

[PRD] DATABASE RECORD: 10305

ITEM NUMBER: G37GSX

TEST CODE: EAFB STSALL PREFLT

1. DESCRIPTION: PREFLIGHT VERIFICATION SUPPORT

(GN/SN/DFRC/RTS

Prior to mission support, each station is required to support command, telemetry, metric data, verification where the following cases or conditions apply:

- 1. Significant hardware, software or configuration changes have occurred (including communications links with the stations).
- 2. Support requirement changes or unique payload requirements exist.
- 3. Missions are separated by an extensive period of time.

These tests are documented in 450-NOSP Space Shuttle AFSCN Annex/Air Force Satellite Control Network Annex to the NOSP for the Space Shuttle Program.

- NOTE: 1.MILA is required to support TV verification testing with GSFC in parallel with JSC validation testing in accordance with the guidelines documented in the JSC Validation Testing Manual.
 - 2.NHS, TCS, and DGS are required for ascent recorder dumps and potential real-time 2-way support. DGS is required for deorbit prep support in the event of a loss of TDS (JSC would required DGS to be a 2-way support site). DGS, HTS, and GTS are required for post K-band stow recorder dumps.

AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER SUPPLIER: GSFC

GSFC/533 GSFC/581 MIL SUBSUPPLIER:

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/05/08

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

______ FLS2000.003

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STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

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CONTINUED

[PRD] DATABASE RECORD: 10305

ITEM NUMBER: G37GSX

SUPPLIER: SDTW AGENCY: SDTW (GODDARD SPACE FLIGHT CENTER (GSFC/) SUBSUPPLIER: OAS

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/05/08

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER

SUBSUPPLIER: MR

RESPONDER: DAVE JONES 661 276-3086

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/05/08

._____ -----[PRD] DATABASE RECORD: 11787 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 05/03/94

ITEM NUMBER: G38T

[PRD] DATABASE RECORD: 12138 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 09/22/03

INITIAL DATE: 08/17/87 G40T ITEM NUMBER: DATE LAST CHANGED: 09/28/07 SECTION: 2000 TIME LAST CHANGED: 12:30:47

SUBREQUESTER: MILA
TEST CODE: WSC

ALPHSE STSALL

1. DESCRIPTION: CUSTOMER ANCILLARY SERVICE TO GSFC

JSC is required to transmit the Customer Ancillary Service (CAS) data to WSC, GSFC NIC for Network Operations, and KSC CD&SC/MILA (via GSFC) for the duration of every Space Shuttle Mission, long duration simulations, and Joint Integration Simulations (JIS).

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SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 12138

ITEM NUMBER: G40T

GSFC COORDINATION: 450.1/GSFC/Jmaes Bangerter/301 286-7306

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/22/03 ______

[PRD] DATABASE RECORD: 22757 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 09/22/03

ITEM NUMBER: G40.1T

______ [PRD] DATABASE RECORD: 22338 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 04/22/05

ITEM NUMBER: GS41GT

[PRD] DATABASE RECORD: 22695 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 09/03/08 INITIAL DATE: 07/18/90

DATE LAST CHANGED: 09/03/08 ITEM NUMBER: GS42G TIME LAST CHANGED: 13:43:11 2000 SECTION:

REQUESTER: GSFC SDTW

TEST CODE: FREFLT LAEORY LANDNG

> PREFLT STSALL

1. DESCRIPTION: RTS NETWORK SUPPORT REQUIREMENTS

GSFC is required to provide SMC SDTW/RTS Network Support Requirements in accordance with following schedule:

Modification Req'd to AFSCN 36 Months Multiple Payload Support

Single Payload Support

18 Months

12 Months Shuttle Orbiter-Only Support 3 Months

NOTE: NHS, TCS, and DGS are required for ascent recorder dumps and potential real-times 2-way support. DGS is required for deorbit prep

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[PRD] DATABASE RECORD: 22695

ITEM NUMBER: GS42G

support, and HTS and GTS are required for post K-band stow recorder dumps.

RTS Network Support Requirements to be addressed to:

SDTW/ 2nd. Lt. David A. Heinz (david.heinz@Kirtland.af.mil)

FAX NO: (719) 567-6551

cc: 22SOPS/DOO Brian Bayless (brian.bayless@shriever.af.mil)

FAX NO: (719) 567-3264

cc: 21 SOPS/Cliff Gatewood (clifton.gatewood@onizuka.af.mil)

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 09/03/08

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

[PRD] DATABASE RECORD: 21666 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 05/18/07 06/03/91 INITIAL DATE: G43T ITEM NUMBER: DATE LAST CHANGED: 09/28/07 2000 TIME LAST CHANGED: 12:30:47 SECTION:

REQUESTER: GSFC
SUBREQUESTER: JSC.DV
TEST CODE:

TEST CODE: EAE0RY LANDNG PREFLT

STSALL

1. DESCRIPTION: SMC SDTW/RTS NETWORK SUPPORT REQUIREMENTS

JSC is required to submit to Goddard/Code 451, the SMC SDTW/RTS Network Support Requirements for each Shuttle Mission by at least one hundred(100) calendar days prior to the manifested launch date. Requested data to furnish sufficient information I.E., Orbit Number, Site, Mission Elapse Time (MET), support required (I.E., TLM, and CMD) to enable support conflict resolution.

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SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

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[PRD] DATABASE RECORD: 21666

ITEM NUMBER: G43T

NOTE: NHS, TCS, and DGS are required for ascent recorder dumps and potential real-time 2-way support. DGS is required for deorbit prep support, and HTS and GTS are required for post K-band stow recorder dumps.

Mail To:

Mr. James Bangerter/Code 450.1 Network Director Network Integration Management Office Goddard Space Flight Center Greenbelt, MD. 20771

TECHNICAL CONTACT: GSFC/James Bangerter/CODE 450.1/301 286-7306

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/29/07

RESPONSE: JSC will furnish this information in the required time frames. However, once mission specific training begins and actual mission time-lines are known, requests for

changes to the initial support requests may be necessary.

[PRD] DATABASE RECORD: 530417 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 02/28/07 INITIAL DATE: 06/13/95 ITEM NUMBER: GT48GT DATE LAST CHANGED: 11/26/07 2000 SECTION: TIME LAST CHANGED: 14:50:12

REQUESTER: GSFC JSC

TEST CODE: EORBIT KSC LAUNCH

> PREFLT STSALL

1. DESCRIPTION: TDRSS VERIFICATION/VALIDATION TEST SUPPORT

The TDRSS and MCC/ESTL are required to support the combined Space

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PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

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[PRD] DATABASE RECORD: 530417

ITEM NUMBER: GT48GT

Network (SN) verification/JSC validation testing. This testing will utilize the JSC ESTL to emulate the Space Shuttle Orbiter, providing both S-Band and Ku-Band Telemetry data, including payload data as well as the command forward link system. The MCC and TDRSS shall be in mission support configuration. This testing will confirm the end-to-end data transmission systems. System status (UPD/DQM) and control (GCMR/GCM)will also be evaluated to ensure true status is accurately reflected.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/07/07

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/28/07

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 14026 REOUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/07/93

TTEM NUMBER:

[PRD] DATABASE RECORD: 14027 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/07/93

ITEM NUMBER: G1.2E

______ [PRD] DATABASE RECORD: 14028 REOUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 01/07/93

ITEM NUMBER: G2.1E

______ [PRD] DATABASE RECORD: 186530 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 01/12/87

ITEM NUMBER: G19E

[PRD] DATABASE RECORD: 306609 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/19/99 DOCUMENT ID: FLT-I

INITIAL DATE: 03/24/88 ITEM NUMBER: G25E DATE LAST CHANGED: 02/02/07

SECTION: 2100 TIME LAST CHANGED: 13:59:14

REQUESTER: GSFC

SUBREQUESTER: GSFC/450.1

30 SPW TEST CODE: EAFB ΕR

> LANDNG STSALL

1. DESCRIPTION: C-BAND BARRIER SCAN & HIT PROCESSING REQUIREMENTS

For EAFB landings, DOD is required to provide "Barrier Scan and Hit Processing capability at the PTP FPQ-6, VDB TPQ-18 and HAIR radars to ensure maximum probability of skin track data acquisition at a target elevation of 1 degree in clear weather or 3 degrees in rain, and with the dispersed landing trajectories shown on pages following this page. After either the PTP FPQ-6, VDB TPQ-18 or HAIR radar has acquired the Orbiter, DOD is to provide real-time acquisition data to other (VDB, PTP, and AFFTC/DFRC) radars. The real-time acquisition data are to be derived from the on-track radar's tracking data. The initial acquisition point(s) about which the radar(s) are to scan is to be

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SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

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CONTINUED

[PRD] DATABASE RECORD: 306609

ITEM NUMBER: G25E

identified by DOD from INP's provided by GSFC or ER.

TECHNICAL CONTACT: MSOC/Trajectory Coordinator/281 853-2274 or during

Mission call 281 483-2411

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING

SUBSUPPLIER: EAFB WR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/19/99

[PRD] DATABASE RECORD: 379202 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/03/94

ITEM NUMBER: G30

 [PRD] DATABASE RECORD:
 389130
 REQUIREMENT STATUS:
 APPROVED

 DOCUMENT ID:
 FLT-I
 APPROVAL DATE:
 09/22/03

 INITIAL DATE:
 02/05/90

 ITEM NUMBER:
 G34E
 DATE LAST CHANGED:
 01/24/07

 SECTION:
 2100
 TIME LAST CHANGED:
 11:05:34

REQUESTER: GSFC SUBREQUESTER: GSFC/533

TEST CODE: ER PREFLT STSALL

1. DESCRIPTION: C-BAND REQUIREMENTS

RADAR SUPPORT

ER/RTCS is requested to include the NASA C-Band radars at Wallops in the ongoing ER readiness evaluation test for Shuttle permission testing:

- 1. WLPC FPQ-6
- 2. WLRC FPS-16 (Airport)
- 3. WLIC FPS-16 (Island, 57 degree flight only)
- 4. WLMC RIR-778

These radars will participate in tests as scheduled in the six-week

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 389130

ITEM NUMBER: G34E

period prior to each Shuttle launch. Radar WLIC FPS-16 (Island) is only required for launches with the inclination of 57 degrees.

The post test reports should be supplied to: Mr.James Bangerter/Code 450.1 Bldg 12/N131 Network Integration Management Office NASA Goddard Space Flight Center Greenbelt, MD. 20771-0001

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/22/03

[PRD] DATABASE RECORD: 9090 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 06/03/02 INITIAL DATE: 04/26/88 DOCUMENT ID: FLT-I

ITEM NUMBER: G45.1T DATE LAST CHANGED: 09/28/07 2100 SECTION: TIME LAST CHANGED: 12:30:47

REOUESTER: GSFC

SUBREQUESTER: GSFC/595.1

PREFLT TEST CODE: ERSTSALL

1. DESCRIPTION: ACQUISITION DATA REQUIREMENTS

JSC will provide GSFC with permission Trajectory data in accordance with the Trajectory D-Tape Interface, control document number JSC-22689. The Trajectory data will be of sufficient accuracy to provide acquisition data to the SN and GN Trackers.

NOTE: This requirement is also included in the L&L PRD, Section 2610,

Item Number G1T, as it affects all phases.

TECHNICAL CONTACT: GSFC/595.1/Warren Mitchell/301 286-5092

AGENCY: JSC/DD (JOHNSON SPACE CENTER SUPPLIER: JSC)

JSC/DM SUBSUPPLIER:

RESPONSE DATE: 06/03/02 SUPPLIER COMMITMENT: WILCO

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 9090

ITEM NUMBER: G45.1T

[PRD] DATABASE RECORD: 10014 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/31/98 INITIAL DATE: 06/17/91 DOCUMENT ID: FLT-I ITEM NUMBER: G47.1T DATE LAST CHANGED: 09/28/07 SECTION: 2100 TIME LAST CHANGED: 12:30:47

REQUESTER: GSFC REQUESIEN SUBREQUESTER: GSFC/531

LANDNG RENTRY TEST CODE: STSALL

REQUIRED PRIORITY:

RATIONALE: To generate and transmit landing ephemerides.

1. DESCRIPTION: ACQUISITION DATA REQUIREMENTS

TDRSS Support During Landing Periods

JSC is required to generate and transmit two landing ephemeredes to GSFC four hours prior to landing and again at two hours prior to landing. The first ephemeris should reflect the designated landing orbit. The second ephemeris should reflect a one-rev-late landing opportunity. GSFC is required to transmit landing ephemerides to WSC for TDRSS.

TECHNICAL CONTACT: MSOC/Trajectory Coordinator/281 853-2274 or during

Mission call 281 483-2411

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/31/98

[PRD] DATABASE RECORD: 243493 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 11/13/08
INITIAL DATE: 03/25/88 DOCUMENT ID: FLT-I

ITEM NUMBER: G50 DATE LAST CHANGED: 11/13/08 TIME LAST CHANGED: 13:58:03 2100 SECTION:

REQUESTER: GSFC SUBREQUESTER: GSFC/531

TEST CODE: 21 SOPS 30SPW EAFB

NOPHSE STSALL

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 243493

ITEM NUMBER: G50

REQUIRED PRIORITY:

1. DESCRIPTION: C-BAND AND ACQUISITION DATA REQUIREMENTS

The formats for the exchange of metric data (acquisition and tracking) between the DOD, 21 SOPS and GSFC will be as specified in the 453-HNDK-GN "Ground Network Tracking and Acquisition Data Handbook" for data formatting information.

TECHNICAL CONTACT: MSOC/Trajectory Coordinator or during

Mission call 281 483-2411

[PRD] DATABASE RECORD: 371348

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 05/29/07

INITIAL DATE: 03/25/88 DATE LAST CHANGED: 09/28/07 ITEM NUMBER: GS67T

TIME LAST CHANGED: 12:30:48 SECTION: 2100

REQUESTER: GSFC SUBREQUESTER: 21SOPS SDTW GSFC/501 TEST CODE: EORBIT STSALL

1. DESCRIPTION: ACQUISITION DATA REQUIREMENTS FOR SMC SDTW

During on-orbit periods, SDTW will use the Houston FDO/TRAJ WEB page to retrieve vector information. This WEB page will reflect the current ephemeris and vectors before and after any maneuvers. It will be upgraded by a pre-planned schedule before flight through the JSC FDO.

NOTE: Real-time FDF staffing for acquisition data support is not required during the crew sleep period while STS and ISS are docked.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER)

RESPONDER: RICK KRAESIG 281 853-2304

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/29/07

______ [PRD] DATABASE RECORD: 376622 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/03/94

ITEM NUMBER: G69

______ PAGE SEQUENCE NUMBER: 18

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 376622

ITEM NUMBER: G69

[PRD] DATABASE RECORD: 362027 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/15/99 INITIAL DATE: 03/25/88 DOCUMENT ID: FLT-I ITEM NUMBER: G73E DATE LAST CHANGED: 02/07/07 SECTION: 2100 TIME LAST CHANGED: 09:29:52

GSFC REQUESTER:

ER ALPHSE SUBREQUESTER: GSFC/453

TEST CODE: ER STSALL

1. DESCRIPTION: C-BAND REQUIREMENTS

When ER-RTCS is scheduled and providing Shuttle Launch, ascent and on-orbit support, the ER computers will provide LDES (launch designate)

data to MILA, and WLP. These stations are required to receive and use the data for real-time acquisition purposes.

RATIONALE: Mandatory - Launch designate data to MILA, and WLP. Data line checkout prior to liftoff.

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING)

ER SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/15/99

_____ [PRD] DATABASE RECORD: 19307 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/06/94

G85T ITEM NUMBER:

______ [PRD] DATABASE RECORD: 518883 REQUIREMENT STATUS: DELETED

APPROVAL DATE: 04/03/98 DOCUMENT ID: FLT-I

ITEM NUMBER: GT86G

PAGE SEQUENCE NUMBER: 19 FLS2100.006

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

RUN DATE: 01/12/09 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______ [PRD] DATABASE RECORD: 518897 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 04/03/98

GT87G ITEM NUMBER:

[PRD] DATABASE RECORD: 518898 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 04/03/98

ITEM NUMBER: GT88G

______ FLS2100.007

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 14032 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/07/93

ITEM NUMBER: G1.7E

[PRD] DATABASE RECORD: 349538 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 05/18/07 INITIAL DATE: 07/23/90 DOCUMENT ID: FLT-I ITEM NUMBER: G14.5EGST DATE LAST CHANGED: 05/28/08 SECTION: 2200 TIME LAST CHANGED: 09:44:00

REQUESTER: GSFC SUBREQUESTER: GSFC/401

DATADS 30 SPW TEST CODE: MIL

> PREFLT STSALL

1. DESCRIPTION: JSC, GN, DOD, RTS, DFRC TELEMETRY VALIDATION

TESTING

Reference Section 2200, Item T14G, DBR=380540. Capability is required to use a JSC generated tape as a source of data, if needed.

DATA DISPOSITION

REF	DATA TYPE	QUAN	TIME REQ	RECIPIENT/REMARKS

G1

TLM-ANALOG MAG 1 CY L -150 GSFC
TAPE-JSC DAYS IF J. Bangerter, CODE VALIDATION TEST REQUESTED 450.1 USED FOR JSC VALIDATION AND GSFC

VERIFICATION TEST.

NOTE: NHS, TCS, and DGS are required for ascent recorder dumps and potential real-time 2-way support. DGS is required for deorbit prep support, and HTS and GTS are required for post K-band stow recorder dumps.

AGENCY: 1 ROPS/DOU (45TH SPACE WING SUPPLIER: ER AFSCN ER SUBSUPPLIER:

RESPONDER: MIKE GAWEL

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/21/08

______ PAGE SEQUENCE NUMBER: 21 REF UDS R G/A FLS2200.001

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 349538 ITEM NUMBER: G14.5EGST

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/29/07

AGENCY: SMC SDTW SUPPLIER: SDTW)

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/29/07

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/29/07

______ [PRD] DATABASE RECORD: 384125 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/25/85

ITEM NUMBER: G15

______ [PRD] DATABASE RECORD: 231206 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-IAPPROVAL DATE: 06/13/95

ITEM NUMBER: GT36GT

______ [PRD] DATABASE RECORD: 234662

APPROVAL DATE: 05/15/95 DOCUMENT ID: FLT-I INITIAL DATE: 05/10/91 ITEM NUMBER: GHT38G DATE LAST CHANGED: 01/24/07 TIME LAST CHANGED: 11:19:09 SECTION: 2200

GSFC MSFC JSC REQUESTER:

TEST CODE: EORBIT STSALL

1. DESCRIPTION: SN KU-BAND CHANNEL 2 REQUIREMENTS

The SN is required to have the capability to remote Ku-band Channel 2 data to MCC, GSFC, and MSFC via the Closed IONET circuit. In addition to Orbiter OD Dumps, data will include payload R/T or dump data.

______ PAGE SEQUENCE NUMBER: 22 REF UDS R G/A

REQUIREMENT STATUS: APPROVED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 234662

ITEM NUMBER: GHT38G

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

RESPONSE DATE: 05/19/95 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 237506 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/15/95 05/10/91 INITIAL DATE: DATE LAST CHANGED: 01/26/07 ITEM NUMBER: GHT39G TIME LAST CHANGED: 10:49:42 SECTION: 2200

REQUESTER: GSFC MSFC JSC

GSFC EORBIT TEST CODE: STSALL

1. DESCRIPTION: SN KU-BAND CHANNEL 3 REQUIREMENTS

The SN is required to have the capability to remote Ku-band Channel 3 data to MCC, GSFC, and MSFC. Channel 3 bit rates within the bandwidth of the Closed IONET circuitry may be remoted. Channel 3 bit rates exceeding the Closed IONET circuitry bandwidth will be transmitted to MCC via the statistical mux.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

GSFC/450/450.2 GSFC/790 SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/19/95

-----[PRD] DATABASE RECORD: 288378 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 09/15/05 INITIAL DATE: 06/07/90 DOCUMENT ID: FLT-I ITEM NUMBER: G44T DATE LAST CHANGED: 09/28/07 TIME LAST CHANGED: 12:30:48 SECTION: 2200

REQUESTER: GSFC

SUBREQUESTER: GSFC/450.1

ALPHSE TEST CODE: DATADS STSALL

1. DESCRIPTION: ANTENNA AND COMMUNICATIONS STATUS

In order to determine the real-time status of the Orbiter's antenna

______ PAGE SEQUENCE NUMBER: 23 REF UDS R G/A FLS2200.003

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 288378

ITEM NUMBER: G44T

and communications system at the Network Integration Center, GSFC requires JSC to supply the following:

- A. Identify the correct parameters and their identification numbers in the OD.
- B. Be informed and updated on the proper calculations, algorithms, and conversions for reporting the correct status information based upon the bit data extracted from the OD.
- C. Be given the up-to-date frame, word, and bit locations of parameter and of the subcom windows in all TFL formats for each shuttle flight.

To perform this task effectively, GSFC requires JSC to supply the following documentation, with updates as issued:

- A. Shuttle Calibration Data Book, JSC-16486 (JSC/DC=WILCO)
- B. Telemetry B-C Requirements, JSC-11028. (JSC/DC=WILCO)
- C. Integrated Communications Officer Console Handbook, JSC-12829. (JSC/DF2=WILCO)
- D. Space Shuttle Telemetry and Recorded Data Format Requirements, JSC-10784. (JSC/DP=WILCO)

The GSFC contact and document recipient is Steve Testoff/450.1 301 286-6538.

The JSC point of contact is (Lead INCO/DF24) 281 483-0777.

DATA DISPOSITION

REF	DATA TYPE	QUAN	TIME REQ	RECIPIENT/REMARKS
G1	TLM-DOC- SHUTTLE CALI- BRATION DATA BOOK-JSC 16486	1 COPY	ASAP	GSFC S. Testoff/450.1 UPDATES AS ISSUED.
G2	TLM-DOC- TELEMETRY B-C REQUIREMENTS.	1 COPY	ASAP	GSFC S. Testoff/450.1 UPDATES AS ISSUED.

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 288378

ITEM NUMBER: G44T

JSC 11028

G3 TLM-DOC- 1 COPY ASAP GSFC

INTEGRATED S. Testoff/450.1 COMMUNICATIONS UPDATES AS ISSUED.

OFFICER CONSOLE

HANDBOOK-JSC 12829

G4 TLM-DOC-SPACE 1 COPY ASAP GSFC

SHUTTLE TELE- S. Testoff/450.1 METERED & UPDATES AS ISSUED.

RECORDED DATA

FORMAT

REQUIREMENTS-JSC 10784

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER)

RESPONDER: PAT MATTINGLY 281 483-0641

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/15/05

[PRD] DATABASE RECORD: 14029 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 01/07/93

ITEM NUMBER: G46E

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2300 - COMMAND SYSTEMS

ITEM NUMBER: GT21GT

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2700 - COMMUNICATION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 265073 REOUIREMENT STATUS: DELETED DOCUMENT ID: FLT-IAPPROVAL DATE: 08/15/91

G22T TTEM NUMBER:

[PRD] DATABASE RECORD: 283021 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/23/03

ITEM NUMBER: Y23G

[PRD] DATABASE RECORD: 349767 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/01/07

09/21/89 INITIAL DATE: DATE LAST CHANGED: 05/08/07 ITEM NUMBER: GT24G

2700 SECTION: TIME LAST CHANGED: 11:25:17

REOUESTER: GSFC JSC TEST CODE: ALPHSE STSALL

1. DESCRIPTION: JSC STAT MUX

JSC require a Statistical Multiplexer system to operate on the 50 MBPS WSC to JSC full transponder circuit.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/08/07

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[PRD] DATABASE RECORD: 1215 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/30/93

ITEM NUMBER: Y26G

[PRD] DATABASE RECORD: 518991 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 11/28/06 INITIAL DATE: 03/16/92 DOCUMENT ID: FLT-I

ITEM NUMBER: GS32G DATE LAST CHANGED: 05/05/08 TIME LAST CHANGED: 09:16:15 SECTION: 2700

GSFC SUBREQUESTER: OAS TEST CODE: SDTW

SDTW

LATROT STSALL

1. DESCRIPTION: OAS/SMC SDTW SHUTTLE FLIGHT MONITORING

______ FLS2700.001

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2700 - COMMUNICATION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 518991

ITEM NUMBER: GS32G

GSFC is required to send a monitor feed of FD, A/G 1, A/G 2 or Mission Audio to Onizuka/ SMC SDTW for monitoring flight operations, as required.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SEE RESPONSE SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/29/06

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

[PRD] DATABASE RECORD: 522668 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/30/98
INITIAL DATE: 03/15/93 DOCUMENT ID: FLT-I ITEM NUMBER: G36 DATE LAST CHANGED: 11/25/02 2700 SECTION: TIME LAST CHANGED: 14:50:57

REOUESTER: GSFC SUBREQUESTER: RS95-03

ALPHSE INFO STSALL TEST CODE:

1. DESCRIPTION: NISN OVERVIEW

The primary responsibility of NASA Intergraded Services (NISN) is to interconnect overseas and domestic tracking and telemetry stations and sites, launch areas, mission and project/payload operations control centers, science data capture facilities, and network control centers in the transporting of spacecraft telemetry data, air-to-ground voice and video for command, control, tracking, orbit determination, and data acquisition. In order to meet these responsibilities the following circuit provisioning lead times have been established to assist in the planning process for NISN services. These are "GUIDELINE" statements only, as all requirements will not have the same lead times.

Lead Time Type Service (months)

______ PAGE SEQUENCE NUMBER: 28 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2700 - COMMUNICATION

	52011	21. 2700 0011	11011111111111		
PUBLICATION DATE:	10/11/90	REVISION: 00	00	RUN DATE:	01/12/09
[PRD] DATABASE REC	G36	58	======== ***CONTIN	======= UED***	======
3		requiring	ia existing reso coordination bet rs, facilities,	ween other	
4		carriers a engineerin	ommonly provided nd that do not r g; e.g., standar up to 1.544 MBS	equire spec d voice and	cial
8		and that r and/or car e.g., non- non-standa	rovided by comme equire special e rier/NISN specia standard modems, rd interfaces an arrangements.	ngineering l equipment customer	
12		Standard i	nternational ser	vices	
18-24		and/or con e.g., new into remot	equiring special struction of new Earth stations o e areas, includi of 1.544 MBS (T-	facilitie: r facilitie ng data ra	s; es

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2710 - AIR/GROUND VOICE COMMUNICATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 14034 REQUIREMENT STATUS: DELETED FLT-IDOCUMENT ID: APPROVAL DATE: 04/25/89

G1.1E ITEM NUMBER:

[PRD] DATABASE RECORD: 365442 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 06/24/03 INITIAL DATE: 04/27/90 DOCUMENT ID: FLT-I ITEM NUMBER: G6EG DATE LAST CHANGED: 06/13/07 SECTION: 2710 TIME LAST CHANGED: 12:01:04

GSFC REQUESTER:

EAFB TEST CODE: ER PREFLT

STSALL

1. DESCRIPTION: GN AIR-TO-GROUND VERIFICATION TESTING

Prior to each mission, applicable stations are required to support A/G verification testing in the following manner:

- 1. Throughput/ Modified Throughput stations configure for keying and modulation on UHF A/G.
- 2. Maintain a capability to send and receive simulated audio tones through the system and measure audio frequencies during the testing process.
- 3. Confirm proper operation of the UHF systems when interfaced with the GSFC NIC.

NOTE: WSSH UHF shall support Launch day AOA/PLS, Landing minus one day checkout, and when WSSH is activated for Landing (EOM, EOM+1, EOM+2, etc.).

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING) EAFB ER SUBSUPPLIER: WSMR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/24/03

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/12/05

FLS2710.001 PAGE SEOUENCE NUMBER: 30 REF UDS R G/A CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2710 - AIR/GROUND VOICE COMMUNICATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 391888 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/03/94

ITEM NUMBER: G7GSX

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2730 - VOICE NETWORK TRANSMISSION

ITEM NUMBER: G16GT

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE:	10/11/90	REVISION:	0000	RUN	DATE: 0	1/12/09
[PRD] DATABASE RECO	PRD: 2975 FLT-I	57		REQUIREMENT APPROVAL DA' INITIAL DAT	TE:	APPROVED 04/03/98 02/22/90
ITEM NUMBER: SECTION:	G9EG 2734			DATE LAST CI	HANGED:	02/22/30 02/07/07 09:29:52

GSFC ER REQUESTER:

MIL TEST CODE: STSALL

1. DESCRIPTION: HIGH-SPEED DATA CIRCUITS

Provide High-speed data circuits as outlined below:

	TYPE OF			
REF	SERVICE	FROM	TO	REMARKS
	0 4			
G9.1	2.4KBPS HALF DUPLEX	ER	MILA	LTAS, Acq data bus.
G9.2	2.4KBPS HALF DUPLEX	MILA	ER	S-band, RSO Telemetry
G9.3	2.4KBPS HALF DUPLEX	ER	GSFC	LTAS, Acq data bus.

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING

SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/14/98

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/03/98 ______

[PRD] DATABASE RECORD: 11790 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 03/30/98

G14GT ITEM NUMBER:

[PRD] DATABASE RECORD: 10890 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 08/12/04

ITEM NUMBER: GST20DT

______ PAGE SEQUENCE NUMBER: 33 REF UDS R 228 FLS2734.001

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 10890

ITEM NUMBER: GST20DT

[PRD] DATABASE RECORD: 16034 REQUIREMENT STATUS: DELETED

APPROVAL DATE: 01/08/91 DOCUMENT ID: FLT-I

ITEM NUMBER: GST23EGST

[PRD] DATABASE RECORD: 513735 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/23/08 11/14/91 INITIAL DATE:

ITEM NUMBER: HTY26GKX DATE LAST CHANGED: 05/05/08 2734 SECTION: TIME LAST CHANGED: 11:15:57

JSC NASA HQ

REQUESTER: MSFC
SUBREQUESTER: F111-3

EORBIT LAUNCH TEST CODE: LANDING

> STSALL TVPLAN

1. DESCRIPTION: TELEVISION TRANSPONDER SUPPORT FOR SHUTTLE FLIGHTS

Control and scheduling of Satellite AMC-6 Transponder 5 is a function of NISN. During Shuttle flights, operational control of these transponders is delegated to Houston TV who acts on behalf of the Flight Director.

General use of this transponders is as follows:

LAUNCH

Transponder 5 - video from KSC to support operational needs of the Marshall ICE Team, JSC MER, HQ and Boeing Tower II(know as the ICE and MER channel). The Michoud Assembly Facility (MAF) and Thiokol Launch Systems in Utah also require access to the ICE and MER video in support of the Marshall ICE Team. These locations have procured their own video receipt systems and have agreed to take full installation and maintenance responsibilities for these systems.

NOTE: Boeing Tower II purchased equipment to receive the ICE/MER channel: 2 Wegencer Unity 4650 IRD/with digital board (SDI, Genlock)

- 1 Wegencer Unity 500 IRD rack-mount version
- 1 Quintech LS4 2150a 4-way active L band splitter

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 513735 ITEM NUMBER: HTY26GKX

ON-ORBIT:

Transponder 5 - support of Shuttle TDRSS wideband data and television downlink.

LANDING:

Transponder 5 - support of operational television requirements of the MER for post-flight documentation of Orbiter condition.

TRANSPONDER AUDIO CHANNELS:

Transponder 5 - has one audio channel for timing data during tape replays.

TRANSPONER UPLINK/DOWNLINK CAPABILITIES

SITE	TRANSPO	NDER 5
	UPLINK/D	OWNLINK
KSC/MILA	X	X
MSFC	X	X
JSC	X	X
GSFC		X
WSC	X	X
DFRC	X	X

NOTE: Depending on flight real-time requirements and PAO special events, priorities and configurations may change and are to be coordinated through Houston TV and NISN.

REF: LLS 2734 HT33EG 514040 FLS 2700 T34G 520565

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

______ PAGE SEQUENCE NUMBER: 35

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 513735 ITEM NUMBER: HTY26GKX

RESPONDER: ANTHONY WILLIAMS

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 04/29/08

RESPONSE:

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

IT-D2-B KICS-109 SUBSUPPLIER:

RESPONDER: ELLEN HILL

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/30/08

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/25/08

[PRD] DATABASE RECORD: 523223 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/01/07 DOCUMENT ID: FLT-I

INITIAL DATE:

ITEM NUMBER: G31GT DATE LAST CHANGED: 11/28/07 TIME LAST CHANGED: 10:41:03 2734 SECTION:

GSFC REOUESTER:

ALPHSE TEST CODE: STSALL

1. DESCRIPTION: CAS DATA CIRCUIT

Provide a data circuit for transmission of Customer Ancillary Service (CAS) data, between GSFC and JSC.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/08/07

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/01/07

______ PAGE SEQUENCE NUMBER: 36

STS OPS FLIGHT PRD, VOLUME I
PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/
OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)
PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

***CONTINUED*

[PRD] DATABASE RECORD: 523223

ITEM NUMBER: G31GT

[PRD] DATABASE RECORD: 594242 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 01/10/08 INITIAL DATE: 01/10/08 ITEM NUMBER: GT44GT DATE LAST CHANGED: 02/21/08 SECTION: 2734 TIME LAST CHANGED: 08:37:52

REQUESTER: GSFC JSC TEST CODE: ALPHSE STSALL

1. DESCRIPTION: DSMC NETWORK SCHEDULING

SN Resource

The planning week for forecast scheduling begins on the Monday, 21 days prior to the existing real-time week. Mission support and critical times for SSP should be coordinated with forecast scheduling during this week. All requests for support that are received by 1200Z the following Monday, 14 days prior to the real-time week, will be scheduled by priority. Mission support for SSP by the SN shall be requested in the form of Schedule Add Requests (SAR's) transmitted via high speed data messages from JSC to the DSMC. Changes, in the form of adds and deletes, will be utilized to accommodate schedules start/stop time differences between nominal pre-mission forecasted schedules and actual lift off time and trajectory changes. Other centers having requirements involving SN support of the SSP must coordinate their support requirements with JSC.

- A circuit of 64 kbps between the DSMC and the MCC shall be provided for TDRSS scheduling messages. This interface shall be full duplex and shall be shared between the ISS and SSP Programs.
- 2. A NISN Mission Critical service is required.
- 3. The interface shall provide security appropriate for "Space Operations Information".
- 4. Refer to the JSC MCC to SN NCCDS Operational Communications ICD for MCC Systems (JSC 11534 Volume XVI, latest revision) for detailed interface specifications.

REF: FLT-II Section 2734 Item G11GT DBR 594258

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 594242

ITEM NUMBER: GT44GT

ISS VOL-I Section 2734 Item T43GT DBR 556504

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/20/08

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

RESPONSE DATE: 01/10/08 SUPPLIER COMMITMENT: WILCO ______

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 347874 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 09/30/02

INITIAL DATE: ITEM NUMBER: TGHX3.1T DATE LAST CHANGED: 09/28/07

TIME LAST CHANGED: 12:30:48 SECTION: 2750

JSC GSFC MSFC REQUESTER:

DFRC

TEST CODE: LATROT STSALL

1. DESCRIPTION: AIR-TO-GROUND-1 (A/G-1)V1

RESPONSIBLE AGENCY: JSC

TEST CODE CAP NOTE TERMINATION LOCATION REF _____ Т 1 MCC distribution 2 Extend to GSFC/GN 3 1 Extend to DFRC Extend to MSFC

NOTE: 1. Composite of A/G 1 & 2

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/30/02

[PRD] DATABASE RECORD: 357619 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-IAPPROVAL DATE: 11/28/06 INITIAL DATE:

06/15/90 ITEM NUMBER: GKTY3.2G DATE LAST CHANGED: 02/07/07 SECTION: TIME LAST CHANGED: 09:29:52

REQUESTER: GSFC KSC JSC

NASA HQ

PH-L SUBREQUESTER:

TEST CODE: ER EAFB LATROT

STSALL

1. DESCRIPTION: AIR-TO-GROUND-1 (A/G-1)V1

RESPONSIBLE AGENCY: GSFC

TEST CODE CAP NOTE TERMINATION LOCATION REF _____ GSFC/GN for distribution

Extend to NASA HOS for Distribution

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 357619
ITEM NUMBER: GKTY3.2G

3 M 1 Extend to KSC/CDSC for Distribution

4 M Extend to OAS/SMC SDTW

5 M Extend to WSC

6 M Extend to WSSH/WSMR via WSC

NOTE: 1. A/G-1 monitor capability via MILA/KSC/CDSC on "GSFC GCN-1" through Landing rollout.

through Landing rollout

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUBSUPPLIER: WSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/29/06

[PRD] DATABASE RECORD: 378188 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 04/23/92
INITIAL DATE: 01/17/90

ITEM NUMBER: EKTXY3.4X DATE LAST CHANGED: 11/06/06

SECTION: 2750 TIME LAST CHANGED: 10:44:52

REQUESTER: ER KSC JSC

DFRC NASA HQ

SUBREQUESTER: PH-L

TEST CODE: CKT3 EAFB LATROT

STSALL

1. DESCRIPTION: AIR-TO-GROUND-1 (A/G-1)V1

RESPONSIBLE AGENCY: DFRC

REF	TEST CODE	CAP NOTE	TERMINATION LOCATION
1		M	DFRC ATR for distribution
2		M	KSC Ground Operations Manager
3		M	Extended to EAFB
4		M	Bldg. 4800, Room 3018, HQR LOR
5		M	OPS Manager's Console

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER)

SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/23/92

FLS2750.002 PAGE SEQUENCE NUMBER: 40 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 378188
ITEM NUMBER: EKTXY3.4X

[PRD] DATABASE RECORD: 393011 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/28/06 INITIAL DATE: 06/15/90 ITEM NUMBER: GKTYZ4.2G DATE LAST CHANGED: 03/02/07 SECTION: 2750 TIME LAST CHANGED: 14:11:51

REQUESTER: GSFC KSC JSC

NASA HQ WSTF

SUBREQUESTER: PH-L

TEST CODE: EAFB LATROT STSALL

WSSH

1. DESCRIPTION: AIR-TO-GROUND-2 (A/G-2)V2

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
1		M		GSFC for distribution
2		M	1	Extend to KSC/CDSC for Distribution
3		M		Extend to NASA HQS for Distribution
4		M		Extend to WSC/WSSH/WSMR
5		M		Extend to SMC SDTW

NOTE: 1. A/G-2 monitor capability KSC/CDSC on "GSFC GCN-3"

through Landing rollout.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/29/06

[PRD] DATABASE RECORD: 251291 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 09/06/02 INITIAL DATE: 01/17/90 ITEM NUMBER: EKTXY4.4X DATE LAST CHANGED: 11/06/06 SECTION: 2750 TIME LAST CHANGED: 10:44:51

REQUESTER: ER KSC JSC

DFRC NASA HQ

SUBREQUESTER: PH-L

FLS2750.003 PAGE SEQUENCE NUMBER: 41 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)

PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 251291 ITEM NUMBER: EKTXY4.4X

TEST CODE: EAFB ER LATROT

STSALL

1. DESCRIPTION: AIR-TO-GROUND-2 (A/G-2)V2

RESPONSIBLE AGENCY: DFRC

REF	TEST CODE	CAP NOTE	TERMINATION LOCATION
1		T	DFRC for distribution
2		M	Extend to Shuttle Hangar, Bldg 4833
3		M	Extend to DFRC ATR
4		M	Extend to EAFB
5		M	Extend to Bldg. 4800, Room 3018, HQS LOR
6		M	Extend to KSC GND OPS Manager
7		M	Extend to OPS Manager's Console

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER)

SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/06/02

[PRD] DATABASE RECORD: 337265 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/22/02 INITIAL DATE: 03/08/90 ITEM NUMBER: GK5.2K DATE LAST CHANGED: 02/06/07 SECTION: 2750 TIME LAST CHANGED: 10:19:46

GSFC SUBREQUESTER: PH-L TEST CODE: KSC

LATROT STSALL

1. DESCRIPTION: LEAD RANGE COORDINATION

RESPONSIBLE AGENCY: KSC

TEST CODE CAP NOTE TERMINATION LOCATION REF -----___ T Κ1 EXTEND TO CCAFS X-Y Т EXTEND TO GSFC G2

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

______ PAGE SEQUENCE NUMBER: 42 REF UDS NR 225 FLS2750.004

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 337265

ITEM NUMBER: GK5.2K

SUBSUPPLIER: IT-D2-A KICS-105

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/13/02

.-----[PRD] DATABASE RECORD: 347291 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 05/22/02

INITIAL DATE: 03/08/90 ITEM NUMBER: GK5.4E DATE LAST CHANGED: 02/06/07

TIME LAST CHANGED: 10:23:04 2750 SECTION:

KSC REQUESTER: REQUESTER: GSFC SUBREQUESTER: IT-D2

PH-LTA-E

TEST CODE: ER LATROT STSALL

1. DESCRIPTION: LEAD RANGE COORDINATION

RESPONSIBLE AGENCY: 45 RANS

REF TEST CODE CAP NOTE TERMINATION LOCATION -----CCAFS X-Y Bldg. distribution Κ1 K2 Т CCAFS ER LRCC Т K3 SRO Console Т CCAFS, LRCC, NASA Network Rep Console Κ4 CCAFS, LRCC, NASA Project Console К5 Т CCAFS, ROCC, NASA Mgmt Console К6 M ĸ7 Т Extend to KSC/CDSC

AGENCY: 45 RANS/DOU (45TH SPACE WING

SUPPLIER: ER AG SUBSUPPLIER: ER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/16/03

[PRD] DATABASE RECORD: 290507 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FT.T-T

APPROVAL DATE: 08/02/07 01/17/90 INITIAL DATE:

DATE LAST CHANGED: 09/28/07 DGHT12.1T ITEM NUMBER: TIME LAST CHANGED: 12:30:48 SECTION: 2750

REQUESTER: HSFS GSFC MSFC

JSC

______ PAGE SEQUENCE NUMBER: 43 REF UDS NR 225 FLS2750.005

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 290507 ITEM NUMBER: DGHT12.1T

TEST CODE: DDMS EAFB ER

LATROT STSALL WSSH

1. DESCRIPTION: FLIGHT DIRECTOR (FD)

RESPONSIBLE AGENCY: JSC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		Т		MCC for distribution
T2		T	1,2	Extend to KSC
G3		M		Extend to GSFC
Н4		M		Extend to MSFC
T5		M	1,2	Extend to DFRC

NOTE: 1. This loop also contained in L&L PRD.

REF: GTK79.1T LLS 2750 DBR 283982

2. Configure for talk at Launch and Landing.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

RESPONDER: KEN JONES

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/02/07

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[PRD] DATABASE RECORD: 293685 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 11/28/06 DOCUMENT ID: FLT-I INITIAL DATE: ITEM NUMBER: GTY12.2G DATE LAST CHANGED: 05/08/07 TIME LAST CHANGED: 13:33:30 SECTION: 2750

GSFC REOUESTER: JSC NASA HO EMCC LATROT TEST CODE: STSALL

1. DESCRIPTION: FLIGHT DIRECTOR (FD)

RESPONSIBLE AGENCY: GSFC

TEST CODE CAP NOTE TERMINATION LOCATION REF G1 GSFC for distribution M

Y2 Extend to NASA HQS for Distribution

______ PAGE SEQUENCE NUMBER: 44

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

			RUN DATE: 01/12/09			
=======================================	========		**CONTINUED***			
[PRD] DATABASE REC		5				
	M M	Extend to WSC/WSSH Extend to OAS/SMC Extend to WLPS Extend to State De	SDTW			
NOTE: Extend to	WSC/WSSH in	talk mode if designa	ted as a Landing site.			
SUPPLIER: GSFC RESPONDER: ANTHONY		FC/450.1 (GODDAR	D SPACE FLIGHT CENTER)			
SUPPLIER COMMITMEN			RESPONSE DATE: 05/08/07			
[PRD] DATABASE RECONCUMENT ID: ITEM NUMBER:	ORD: 31795 FLT-I		REQUIREMENT STATUS: APPROVED APPROVAL DATE: 10/03/02 INITIAL DATE: 10/24/84 DATE LAST CHANGED: 01/29/07 TIME LAST CHANGED: 14:58:30			
REQUESTER: TEST CODE:		JSC CKT14	FULL-TIME			
1. DESCRIPTION: GSFC COMMUNICATIONS MANAGER (GSFC COMM MGR) RESPONSIBLE AGENCY: GSFC						
		TERMINATION LOCATI	ON			
G1 T2	т Т	GSFC/NIC distribut	ion			

SUPPLIER:	GSFC	AGENCY:	GSFC/450.1	(GODDARD	SPACE	FLIGHT	CENTER)

T Extend to NISN distribution

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02 ______ [PRD] DATABASE RECORD: 319696 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 05/24/02 INITIAL DATE: 10/24/84 DOCUMENT ID: FLT-I ITEM NUMBER: GT14.2T DATE LAST CHANGED: 09/28/07

PAGE SEQUENCE NUMBER: 45 FLS2750.007 CLASSIFICATION UNCLASSIFIED

G3

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)

PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 319696

ITEM NUMBER: GT14.2T

2750 TIME LAST CHANGED: 12:30:48 SECTION:

JSC GSFC REOUESTER:

ALPHSE TEST CODE: CKT14 FULL-TIME

STSALL

1. DESCRIPTION: GSFC COMMUNICATIONS MANAGER (GSFC COMM MGR)

RESPONSIBLE AGENCY: JSC

REF TEST CODE CAP NOTE TERMINATION LOCATION ___ _____ T1 Т MCC for distribution

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/24/02

[PRD] DATABASE RECORD: 321190 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 10/03/02 TNITIAL DATE: 03/30/88 DOCUMENT ID: FLT-I

ITEM NUMBER: GKT15.1GT DATE LAST CHANGED: 09/28/07

2750 TIME LAST CHANGED: 12:30:48 SECTION:

REQUESTER: GSFC KSC JSC

TEST CODE: ALPHSE ER FULL-TIME

STSALL

1. DESCRIPTION: GSFC ORBIT DETERMINATION FACILITY (GSFC ODF) COORD

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		T		GSFC distribution
T2		T		GSFC FDF console
К3		Т		Extend to KSC/CDSC
G4		M		GSFC NIC
Т5		Т		Extend to JSC/MCC Distribution

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

______ PAGE SEQUENCE NUMBER: 46 REF UDS NR 225 FLS2750.008

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 321190 ITEM NUMBER: GKT15.1GT

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02

______ [PRD] DATABASE RECORD: 519714 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 09/04/07 INITIAL DATE: 04/14/92

ITEM NUMBER: KTY19.7G DATE LAST CHANGED: 09/06/07 2750 SECTION: TIME LAST CHANGED: 12:54:06

JSC NASA HO

KEQUESTER: KSC
SUBREQUESTER: PH-L
TEST CODE:

ALPHSE TEST CODE: CKT19 **EMCC**

STSALL

1. DESCRIPTION: LANDING FIELD PRIME 1

RESPONSIBLE AGENCY: GSFC

REF:	TEST CODE	CAP	NOTE	TERMINATION LOCATION
KT1		T		GSFC EXTEND TO WSSH/WSMR via WSC.
Т2		T	1	EXTEND TO DFRC/EAFB
K3		T	1	EXTEND TO KSC/CDSC
Y4		M		EXTEND TO NASA HQ
G5		M		EXTEND TO GSFC NIC

NOTE: 1. This circuit will be activated for EMCC support on request. During normal support JSC sends this loop to DFRC and KSC.

> REF: T1K FLS 3020 DBR 520264 T1.1EK FLS 3020 DBR 520265

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

______ PAGE SEQUENCE NUMBER: 47 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 519714 ITEM NUMBER: KTY19.7G

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/05/07

[PRD] DATABASE RECORD: 401428 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/12/05 INITIAL DATE: 08/27/92 DATE LAST CHANGED: 12/01/06 ITEM NUMBER: GTY20.5G TIME LAST CHANGED: 10:07:58 SECTION: 2750

REQUESTER: GSFC JSC NASA HQ TEST CODE: CKT20 EMCC STSALL

1. DESCRIPTION: LANDING FIELD - PRIME-2 (L/F PR-2)

RESPONSIBLE AGENCY: GSFC

REF CAP NOTE TERMINATION LOCATION ______ T 1 Extend to DFRC T1 T2 T Extend to WSSH/WSMR VIA WSC (If required) T M G3 KSC/CDSC extend to GSFC Y4Extend to NASA HQ

NOTE: 1. This circuit will be activated for EMCC support.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

______ ______

[PRD] DATABASE RECORD: 362169 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/12/05

INITIAL DATE: ITEM NUMBER: ETY23.6G DATE LAST CHANGED: 12/01/06

TIME LAST CHANGED: 10:07:58 2750 SECTION:

JSC REQUESTER: NASA HQ

JSC/MT3 SUBREQUESTER:

TEST CODE: 30 SPW ALPHSE CKT23 FULL-TIME EAFB STSALL

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 362169 ITEM NUMBER: ETY23.6G

TVPLAN

1. DESCRIPTION: MISSION AUDIO

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		M		GSFC distribution
T2		M		GSFC NIC
Т3		M		GSFC, BLDG 8-N2, Call Dir.
Т4		M		GSFC, Bldg 8-N4, Call Dir.
E5		M		Extend WR via JPL
Т6		M		Extend to State Dept.
т7		M		Extend to WSC/WSSH/WSMR
T8		M		Extend to WLPS
Т9		M		Extend to Wallops/Portable Earth Station
T10		M		Extend to OAS/SMC DET12 (CERES)
Y11		M		Extend to NASA HQ

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

______ [PRD] DATABASE RECORD: 14289 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 12/12/91 INITIAL DATE: 03/08/90

ITEM NUMBER: Y28.1 DATE LAST CHANGED: 02/12/04 TIME LAST CHANGED: 12:16:36 SECTION: 2750

NASA HQ REQUESTER:

TEST CODE: ALPHSE CKT28 FULL-TIME INFO STSALL TVPLAN

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE COORDINATION (PAO COORD)

NASA Headquarters is the cognizant agency for access control of the Public Affairs Office Coordination (PAO Coord) voice loop. PAO

______ PAGE SEQUENCE NUMBER: 49 REF UDS NR 225 FLS2750.011

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 14289

ITEM NUMBER: Y28.1

contact is NASA HQ/Bob Jacobs/(202) 358-1600.

The access control category for PAO Coord is PRIVATE. The security classification is UNCLASSIFIED.

Access Control is not delegated to NASA Centers.

[PRD] DATABASE RECORD: 313239 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/29/02 INITIAL DATE: 03/30/88 ITEM NUMBER: Y28.2T DATE LAST CHANGED: 09/28/07 SECTION: 2750 TIME LAST CHANGED: 12:30:48

REQUESTER: NASA HQ SUBREQUESTER: JSC/MT3

TEST CODE: ALPHSE CKT28 EAFB
FULL-TIME STSALL TVPLAN

1. DESCRIPTION: PUBLIC AFFARS OFFICE COORDINATION (PAO COORD)

RESPONSIBLE AGENCY: JSC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
Y1		T		MCC for distribution
Y2		T		Extend to KSC/ER
Y3		T		Extend to GSFC/NASA Headquarters
Y4		T		Extend to Ames-DFRC
Y5		T		Extend to MSFC
Y6		T	1	Extend to JPL Bldg 264 Spaceflight
				Operation
Y7		Т	1	Extend to JPL Bldg 186-AUD, Von Karman
				Auditorium
Y8		T		WFCR JSC Director of Public Affairs
Y9		Т		WFCR PAO Commentator
Y10		Т		BFCR JSC Director of Public Affairs
Y11		Т		BFCR PAO Commentator
Y12		Т		WFCR viewing room booth
Y13		Т		BFCR viewing room booth
Y14		Т		Extend to JSC PAO (Bldg. 2) for
				distribution

FLS2750.012 PAGE SEQUENCE NUMBER: 50 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 313239

ITEM NUMBER: Y28.2T

Y15	Т	Distribution by JSC PAO
Y16	T	Director of Public Affairs
Y17	T	Bldg. 2S TV Control, Executive Producer
Y18	T	Bldg. 2S TV Control, Producer
Y19	T	Bldg. 2S TV Control, Technical Director
Y20	T	Bldg. 2S Audio Control, 4 positions
Y21	T	Bldg. 2S Briefing Room 135, Moderator
Y22	T	Bldg. 2S Auditorium Audio Console
Y23	T	Bldg. 2S Chief, Media Services Branch
Y24	T	Bldg. 2S Audio-Visual Manager

NOTE: 1. Plug out transmit and receive for JPL during Shuttle missions, except when the NASA HQ PAO Contact advises JSC that JPL PAO is supporting the mission.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

RESPONSE DATE: 05/29/02 SUPPLIER COMMITMENT: WILCO

______ [PRD] DATABASE RECORD: 317937 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 01/28/92

INITIAL DATE: 03/30/88 Y28.3K ITEM NUMBER: DATE LAST CHANGED: 02/09/07 TIME LAST CHANGED: 09:43:12 SECTION: 2750

REQUESTER: NASA HQ
SUBREQUESTER: JSC/MO

TEST CODE: ALPHSE ER FULL-TIME

> STSALL TVPLAN

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE COORDINATION (PAO COORD)

RESPONSIBLE AGENCY: KSC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
Y1		Т		CDSC for distribution
Y2		T	1	Extend to 45 SPW/ER
Y3		Т		LCC Firing Room 1, PAO Commentator
Y4		Т		LCC Firing Room 1, KSC Dir. Public
				Affairs

______ PAGE SEQUENCE NUMBER: 51 REF UDS NR 225 FLS2750.013

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

LC-39 Press Site, "Fish Bowl", 2 positions

[PRD] DATABASE RECORD: 317937 ITEM NUMBER: Y28.3K

Y5	Т	LCC Firing Room 1, NASA HQ Director Public Affairs
Y6	Т	LCC Firing Room 3, PAO Commentator
Y7	Т	LCC Firing Room 3, KSC Dir. Public Affairs
У 8	T	LCC Firing Room 3, NASA HQ Director Public Affairs
Y9	Т	KSC HQ Building, Director, Public Affairs
Y10	Т	LC-39 Press Site, Chief,
		Public Information Br.
Y11	Т	LC-39 Press Site, Chief, Audio-Visual Ops.
Y12	Т	LC-39 Press Site, Newsroom Manager
Y13	T	LC-39 Press Site, Television Producer (Office)
Y14	Т	LC-39 Press Site, TV Control, Executive Producer
Y15	Т	LC-39 Press Site, TV Control, Producer
Y16	T	LC-39 Press Site, TV Control, Director
Y17	Т	LC-39 Press Site, Audio Control, 2 positions

NOTE: 1. Plug out transmit and receive during Shuttle missions.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER SUBSUPPLIER: IT-D2-A KICS-105)

Т

RESPONSE DATE: 01/28/92 SUPPLIER COMMITMENT: WILCO ______

[PRD] DATABASE RECORD: 326172 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/29/02 INITIAL DATE: 04/05/88 Y28.4G DATE LAST CHANGED: 12/01/06 ITEM NUMBER:

2750 TIME LAST CHANGED: 10:07:58 SECTION:

REQUESTER: NASA HQ SUBREQUESTER: JSC/MT3

______ PAGE SEQUENCE NUMBER: 52 REF UDS NR 225

Y18

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 326172

ITEM NUMBER: Y28.4G

TEST CODE: CKT28 ALPHSE FULL-TIME

> STSALL TVPLAN

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE COORDINATION (PAO COORD)

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
Y1		Т		GSFC Voice for distribution
Y2		T		GSFC Bldg. 8, PAO Office Suite,
				2 positions
Y3		T		GSFC Bldg. 88, Visitor Cntr. News
				Facility
Y4		Т		NASA HO for Distribution

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02

[PRD] DATABASE RECORD: 334639 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 09/06/02

04/05/88 INITIAL DATE: ITEM NUMBER: Y28.5X DATE LAST CHANGED: 09/07/05

2750 TIME LAST CHANGED: 15:34:05 SECTION:

REQUESTER: NASA HQ
SUBREQUESTER: JSC/MT3 TVPLAN

TEST CODE: ALPHSE CKT28 EAFB

FULL-TIME STSALL

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE COORDINATION (PAO COORD)

RESPONSIBLE AGENCY: Ames-DFRC

REF TEST CODE CAP NOTE TERMINATION LOCATION	
Y1 T Bldg. 4800, Comm Control:	for distribution
Y2 T PAO Complex, Director Ext	. Affairs
Y3 T PAO Complex, PIO Specialia	st (1)
Y4 T PAO Complex, PIO Specialia	st (2)

______ PAGE SEQUENCE NUMBER: 53 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

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PUBLICATION DATE:								
==========	========		**CONTINUED***					
[PRD] DATABASE RECO			" "CONTINUED" " "					
Y5 Y6 Y7 Y8 Y9 Y10 Y11	T T T T T T	ISF Auditorium, Mo ISF Auditorium, Au Bldg. 4851 TV Cont Bldg. 4851 TV Cont Bldg. 4851 TV Cont Bldg. 4800 Control	dio Console					
	AGENCY: DFR FR	C/OS (DRYDEN	FLIGHT RESEARCH CENTER)					
SUPPLIER COMMITMENT	: WILCO		RESPONSE DATE: 09/06/02					
[PRD] DATABASE RECO. DOCUMENT ID: ITEM NUMBER:			REQUIREMENT STATUS: APPROVED APPROVAL DATE: 04/05/88 INITIAL DATE: 04/05/88 DATE LAST CHANGED: 05/04/07					
SECTION:	2750		TIME LAST CHANGED: 11:19:36					
REQUESTER: SUBREQUESTER: TEST CODE:	· -	MSFC FULL-TIME	STSALL					
1. DESCRIPTION: RESPONSIBLE AGEN		RS OFFICE COORDINAT	TION (PAO COORD)					
		TERMINATION LOCATI						
Y1	T	Bldg. 4207, Marsha Distribution						
Y2	Т	Bldg. 4207, TV Con Producer	trol, Executive					
Y 3	T		or of Public Affairs					
Y4	T	Bldg. 4200, Chief						
Y5	T		Public Affairs Officer					
Y6 Y7	T T		203, PAO Commentator -209, PAO Commentator					
		- ·						

FLS2750.016 PAGE SEQUENCE NUMBER: 54 REF UDS NR 225

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 339409

ITEM NUMBER: YH28.6H

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/26/88

[PRD] DATABASE RECORD: 322785 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 05/29/02

ITEM NUMBER: Y28.7EZ

[PRD] DATABASE RECORD: 350010 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/30/88 INITIAL DATE: 03/30/88

ITEM NUMBER: TY29.3X DATE LAST CHANGED: 02/12/04 SECTION: TIME LAST CHANGED: 13:10:17

NASA HQ

REQUESTER: JSC
SUBREQUESTER: JSC/MT3
TEST CODE: ALPHSE CKT29 EAFB

FULL-TIME STSALL TVPLAN

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE CUE (PAO CUE)

RESPONSIBLE AGENCY: DFRC

TEST CODE CAP NOTE TERMINATION LOCATION REF _____ ______ Т DFRC for distribution т1

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER

SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/15/88

[PRD] DATABASE RECORD: 355797 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/29/02

INITIAL DATE: 03/30/88 ITEM NUMBER: GTY29.4G DATE LAST CHANGED: 12/01/06

TIME LAST CHANGED: 10:07:58 SECTION: 2750

JSC REQUESTER: GSFC NASA HQ

SUBREQUESTER: JSC/MT3

FLS2750.017

TEST CODE: ALPHSE CKT29 FULL-TIME

> STSALL TVPLAN

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 355797 ITEM NUMBER: GTY29.4G

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE CUE (PAO CUE)

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		Т		GSFC for distribution
Y2		Т		Extend to NASA HQS for Distribution
Т3		T		GSFC, Bldg 8-N2, Call Dir.
Т4		Т		GSFC, Bldg 8-N4, Call Dir.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02 _____ _____

[PRD] DATABASE RECORD: 378787 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 05/26/94

ITEM NUMBER: HTY30.4G

[PRD] DATABASE RECORD: 276383 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 10/03/02 INITIAL DATE: 01/17/90 DOCUMENT ID: FLT-I ITEM NUMBER: GHKTX45.1G DATE LAST CHANGED: 02/06/07 SECTION: 2750 TIME LAST CHANGED: 10:39:39

GSFC REQUESTER: MSFC KSC

> JSC DFRC

30 SPW ALPHSE TEST CODE: EAFB ER MIL STSALL

1. DESCRIPTION: SITE COORDINATION (SITE COORD)

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		T		GSFC for distribution
T2		Т		Extend to JSC
Т3		Т		GSFC NIC

______ PAGE SEQUENCE NUMBER: 56 REF UDS NR 225 FLS2750.018

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 276383 ITEM NUMBER: GHKTX45.1G

Т4	T	Extend to CCAFS X-Y via CDSC
G5	M	Extend to KSC/CDSC for distribution
нб	M	Extend to MSFC Comm Bldg. 4207 for Dist.
Т7	T	Extend to WSMR/WSMR via WSC
T8	T	Extend to GN
G9	T	Extend to WSC
T10	Т	Extend to DFRC

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02 ______ [PRD] DATABASE RECORD: 319763 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 01/08/03 INITIAL DATE: 01/17/90 ITEM NUMBER: HKTY46.1T DATE LAST CHANGED: 09/28/07 2750 SECTION: TIME LAST CHANGED: 12:30:48

REOUESTER: MSFC KSC JSC

NASA HO

PH-L SUBREQUESTER:

EAFB TEST CODE: CKT46 LATROT

STSALL

1. DESCRIPTION: SPACE SHUTTLE PROGRAM OFFICE (SSPO)

RESPONSIBLE AGENCY: JSC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		T		MCC for distribution
T2		T		Extend to JSC MER
T3		T		Extend to DFRC
Т4		T		Extend to GSFC
Н5				Extend to MSFC
Кб		T		Extend to KSC

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 01/08/03

______ PAGE SEQUENCE NUMBER: 57 REF UDS NR 225 FLS2750.019

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 319763 ITEM NUMBER: HKTY46.1T

[PRD] DATABASE RECORD: 327892 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 05/12/05 INITIAL DATE: 01/17/90 DOCUMENT ID: FLT-I ITEM NUMBER: YT46.3G DATE LAST CHANGED: 12/01/06 SECTION: 2750 TIME LAST CHANGED: 10:07:58

NASA HO REQUESTER: JSC

TEST CODE: CKT46 LATROT STSALL

1. DESCRIPTION: SPACE SHUTTLE PROGRAM OFFICE (SSPO)

RESPONSIBLE AGENCY: GSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION ---_____

Y1 T/MExtend to NASA HQ for Distribution

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

______ [PRD] DATABASE RECORD: 371737 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-IAPPROVAL DATE: 05/12/05 INITIAL DATE: 10/25/84 ITEM NUMBER: TY48.2G DATE LAST CHANGED: 02/06/07

SECTION: TIME LAST CHANGED: 10:38:24

JSC NASA HO REQUESTER:

ALPHSE TEST CODE: CKT48 EMCC

STSALL

1. DESCRIPTION: STATE DEPARTMENT INTERFACE

RESPONSIBLE AGENCY: GSFC

TEST CODE CAP NOTE TERMINATION LOCATION REF ---------T1Extend to State Department 1 Extend to CCAFS-XY via KSC/CDSC T T2 Υ3 Extend to NASA HO

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 371737 ITEM NUMBER: TY48.2G

NOTE: 1. This circuit will be activated for EMCC support.

REF: T14EGKX FLS2730 DBR 520260

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

______ [PRD] DATABASE RECORD: 315566

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 04/04/05 INITIAL DATE: 06/08/88

ITEM NUMBER: GT52.1G DATE LAST CHANGED: 12/01/06 TIME LAST CHANGED: 10:07:58 SECTION: 2750

GSFC REQUESTER: JSC

CKT52 ALPHSE TEST CODE: EMCC

ER MIL STSALL

WSSH

1. DESCRIPTION: TRACKING COORDINATION (TRACK COORD)

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
G1		T		Extend to KSC/CDSC
Т2		T		GSFC/Goddard OPS
Т3		T		WFC Radar Net (FPS-16/FPQ-6)
G4		T		GSFC NIC
Т5		T		Extend to JSC
Т6		T	2	Extend to DFRC
Т9		T	1,2	Extend to WSSH/WSMR via WSC

NOTE: 1. NISN/DOD communications facilities are utilized

as appropriate.

2. This circuit will be activated for EMCC support.

REF: T14EGKX FLS2730 DBR 520260

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

______ PAGE SEQUENCE NUMBER: 59 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 315566

ITEM NUMBER: GT52.1G

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

[PRD] DATABASE RECORD: 515825 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 05/25/04

ITEM NUMBER: GST62T

[PRD] DATABASE RECORD: 518958 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 05/25/04

ITEM NUMBER: GST62.1GS

[PRD] DATABASE RECORD: 515826 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/22/05 INITIAL DATE: 07/22/91

ITEM NUMBER: GST63T DATE LAST CHANGED: 09/28/07 SECTION: 2750 TIME LAST CHANGED: 12:30:49

REQUESTER: GSFC SDTW JSC
TEST CODE: CKT63 LATROT STSALL

1. DESCRIPTION: SHUTTLE SUPPORT

RESPONSIBLE AGENCY: JSC

REF: TEST CODE CAP NOTE TERMINATION LOCATION
---- T1 T MCC FOR DISTRIBUTION
G2 T 1 EXTEND TO GSFC

NOTE: 1. MCC Coord will be backup to Shuttle Support.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/07/05

[PRD] DATABASE RECORD: 518926 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/05/08

INITIAL DATE: 03/04/92
ITEM NUMBER: TGS63.1GS DATE LAST CHANGED: 05/05/08

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)

PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 518926 ITEM NUMBER: TGS63.1GS

2750 TIME LAST CHANGED: 09:30:22 SECTION:

REQUESTER: JSC TEST CODE: CKT63 GSFC LATROT SDTW STSALL

1. DESCRIPTION: SHUTTLE SUPPORT

Responsible Agency: OAS

CAP NOTE REF: TEST CODE TERMINATION LOCATION _____ ____ ___ ____ T 1 OAS for distribution т1 and to SDTW

NOTE: 1. MCC COORD will be backup to Shuttle Support.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/05/08

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

SUPPLIER: SDTW AGENCY: SDTW (GODDARD SPACE FLIGHT CENTER (GSFC/)

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/05/08

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces.

[PRD] DATABASE RECORD: 518927 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/05/08 INITIAL DATE: 03/04/92 TGS63.2G DATE LAST CHANGED: 05/09/08 ITEM NUMBER:

TIME LAST CHANGED: 10:04:58 SECTION: 2750

JSC GSFC REOUESTER: SDTW

LATROT TEST CODE: STSALL

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 518927 ITEM NUMBER: TGS63.2G

1. DESCRIPTION: SHUTTLE SUPPORT

Responsible Agency: GSFC

REF: TEST CODE CAP NOTE TERMINATION LOCATION ------------Т T1 GSFC for distribution 1 Т Extend to OAS/SMC SDTW G2

NOTE: 1. MCC COORD will be backup to Shuttle Support.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 05/05/08

RESPONSE: Voice extendsion of OAS will be via existing

voice lines OAS will extend to Kirtland AFB via black phone

[PRD] DATABASE RECORD: 16069 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 06/02/05 03/08/90 INITIAL DATE:

ITEM NUMBER: DATE LAST CHANGED: 09/28/07 GHT65G 2750 TIME LAST CHANGED: 15:27:40 SECTION:

REQUESTER: GSFC
SUBREQUESTER: JSC/DD
TEST CODE: MSFC JSC

CKT65 ALPHSE FULL-TIME

STSALL

1. DESCRIPTION: MDM ORDERWIRE

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
G1		T		Extend to WSC
Т2		T		Extend to JSC
н3		Т		Extend to MSFC (4207) for Distribution

______ PAGE SEQUENCE NUMBER: 62 REF UDS NR 225 FLS2750.024

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 16069

ITEM NUMBER: GHT65G

TECHNICAL CONTACTS: MSFC/E060/P. CAUTHEN/256 544-4204

JSC/DD/K. JONES/281 483-7671

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/02/05

[PRD] DATABASE RECORD: 10815 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: EGST71T

[PRD] DATABASE RECORD: 20938 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: GSY71.2GS

[PRD] DATABASE RECORD: 10817 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: EGST72T

[PRD] DATABASE RECORD: 20941 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: GS72.3GS

[PRD] DATABASE RECORD: 10809 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: EGKST73EGKST

[PRD] DATABASE RECORD: 10811 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91

ITEM NUMBER: EGT74ET

FLS2750.025 PAGE SEQUENCE NUMBER: 63 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE:			RUN DATE: (
[PRD] DATABASE RECO	RD:		 REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:				
[PRD] DATABASE RECO			 REQUIREMENT STATUS	
ITEM NUMBER:		Γ		
[PRD] DATABASE RECO	RD:		 REQUIREMENT STATUS	
ITEM NUMBER:				
[PRD] DATABASE RECO	RD:	10821	REQUIREMENT STATUS	
ITEM NUMBER:		Γ		
[PRD] DATABASE RECO	 RD:		 REQUIREMENT STATUS	
ITEM NUMBER:		GS		
[PRD] DATABASE RECO	RD:	20949	 REQUIREMENT STATUS	
ITEM NUMBER:	GY77.40	G		
[PRD] DATABASE RECO		10825	 REQUIREMENT STATUS	
ITEM NUMBER:				
[PRD] DATABASE RECO	RD:	10826	 REQUIREMENT STATUS	
ITEM NUMBER:	GS79.10	GS .		

FLS2750.026 PAGE SEQUENCE NUMBER: 64 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

		REVISION: 0000			
[PRD] DATABASE RECOMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:	DELETED	
ITEM NUMBER:					
[PRD] DATABASE RECORDOCUMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECORDOCUMENT ID:	RD:	10829	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECORDOCUMENT ID:	RD:	10830	REQUIREMENT STATUS: APPROVAL DATE:	DELETED	
ITEM NUMBER:		Γ			
[PRD] DATABASE RECORDOCUMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECORD DOCUMENT ID:	RD:	20963	REQUIREMENT STATUS: APPROVAL DATE:	DELETED	
ITEM NUMBER:					
[PRD] DATABASE RECORDOCUMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECORDOCUMENT ID:	RD:	20967	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:	GHY86.3	3G			

FLS2750.027 PAGE SEQUENCE NUMBER: 65 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

		REVISION: 0000	RUN DATE: 0	-	
[PRD] DATABASE RECO	RD: 10	======================================	REQUIREMENT STATUS: APPROVAL DATE:	DELETED	
ITEM NUMBER:					
[PRD] DATABASE RECO		971	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECO	RD: 10		REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:	EGHT89G				
[PRD] DATABASE RECO		837	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECO	RD: 10	842	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECO	RD: 20	973	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:	EGS91.1E				
[PRD] DATABASE RECO		843	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:					
[PRD] DATABASE RECO	RD: 20	974	REQUIREMENT STATUS: APPROVAL DATE:		
ITEM NUMBER:	EGS92.1E				

FLS2750.028 PAGE SEQUENCE NUMBER: 66 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

		REVISION: 0000	RUN DATE: 0:	
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	10844	REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:				
[PRD] DATABASE RECOID DOCUMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:		LE		
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	10845	REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:				
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	20976	REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:		LE		
[PRD] DATABASE RECOID DOCUMENT ID:	RD:		REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:		5		
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	10846	REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:		LE		
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	20978	REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:				
[PRD] DATABASE RECOID DOCUMENT ID:	RD:	10847	REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:	EG96.1	EG		

______ FLS2750.029 PAGE SEQUENCE NUMBER: 67 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 10848 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91 EGT97.1G TTEM NUMBER: [PRD] DATABASE RECORD: 12959 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/18/91 GHST98T ITEM NUMBER: ______ [PRD] DATABASE RECORD: 10849 REOUIREMENT STATUS: DELETED APPROVAL DATE: 06/18/91 DOCUMENT ID: FLT-I GST99T ITEM NUMBER: ______ [PRD] DATABASE RECORD: 20093 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-IAPPROVAL DATE: 06/18/91 ITEM NUMBER: GHY103.1G [PRD] DATABASE RECORD: 518936 REQUIREMENT STATUS: DELETED APPROVAL DATE: 03/19/03 DOCUMENT ID: FLT-I ITEM NUMBER: GT114T______ [PRD] DATABASE RECORD: 518937 REQUIREMENT STATUS: DELETED APPROVAL DATE: 03/19/03 DOCUMENT ID: FLT-IGT114.1G ITEM NUMBER: ______ [PRD] DATABASE RECORD: 516766 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 02/22/06 INITIAL DATE: 08/30/91 DATE LAST CHANGED: 02/06/07 ITEM NUMBER: KTY136.1K TIME LAST CHANGED: 16:29:13 SECTION: 2750 JSC PH-L USK-426 KSC REQUESTER: NASA HQ IT-D2-A SUBREQUESTER: TEST CODE: LATROT STSALL TAL

1. DESCRIPTION: VOICE/DATA CIRCUITS

CIRCUIT TITLE: TAL AIRCRAFT/ORBITER

______ PAGE SEQUENCE NUMBER: 68 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

FLS2750.030

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 516766 ITEM NUMBER: KTY136.1K

RESPONSIBLE AGENCY: KSC

CAP 1. EXTEND TO JSC Т 2. PROVIDE BRIDGE ACCESS FOR TROUBLE SHOOTING/MONITOR T 3. TERMINATE IN CDSC TECH CONTROL 4. TERMINATE IN LCC 1P1 CONSOLE #5 5. LCC RF1/3/4 OSR AND OMR ALL POSITIONS - REF SEC 3030,M

ITEM HKTY1.1.1K & HKTY1.1.2K, DBR 024257 & 024268

NOTE: THIS CIRCUIT WILL BE ACTIVATED AS NEEDED FOR CHECKOUTS AND ALS/ELS LANDINGS.

NOTE: EXTEND TO INMARSAT CIRCUITS TAL LANDING FIELD, TAL AIRCRAFT ORBITER OR TAL WEATHER OBSERVER POST-ELS/CLS/TAL LANDING FOR RECOVERY OPERATIONS AT THE REQUEST OF THE GOM.

TECHINCAL CONTACT: KSC/MONIOUE MCLAMB/321 867-8540

REF: LLS2750, ITEM KTY179.2K, DBR 013791 LLS2700, ITEM DKT82DEK, DBR 013802

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

SUBSUPPLIER: IT-D2-A KICS-105

RESPONDER: ROD THORNTON 321 867-2241

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/22/06 _____

[PRD] DATABASE RECORD: 517808 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/06/94

ITEM NUMBER: G139G

______ PAGE SEOUENCE NUMBER: 69 REF UDS NR 225 FLS2750.031

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 517820 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 06/06/94

G139.1GJ TTEM NUMBER:

[PRD] DATABASE RECORD: 517821 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/06/94

G139.2T ITEM NUMBER:

[PRD] DATABASE RECORD: 519780 REOUIREMENT STATUS: APPROVED APPROVAL DATE: 09/30/02 DOCUMENT ID: FLT-I

INITIAL DATE: 04/20/92 DATE LAST CHANGED: 11/26/07 ITEM NUMBER: TGX140T

2750 SECTION: TIME LAST CHANGED: 14:53:57

REQUESTER: JSC GSFC DFRC

TEST CODE: ALPHSE STSALL

1. DESCRIPTION: AIR-TO-GROUND UHF

RESPONSIBLE AGENCY: JSC

TEST CODE CAP NOTE TERMINATION LOCATION _____ ----___ Т MCC DISTRIBUTION 1, 2 EXTEND TO GSFC/GN 2 M 3 M EXTEND TO DFRC

NOTE: 1. Configure talk mode when requested by JSC.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

RESPONSE DATE: 09/30/02 SUPPLIER COMMITMENT: WILCO

______ [PRD] DATABASE RECORD: 568092

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 11/19/02

INITIAL DATE:

DATE LAST CHANGED: 12/01/06 ITEM NUMBER: GT150.2G TIME LAST CHANGED: 10:07:57 SECTION: 2750

REQUESTER: GSFC JSC

______ PAGE SEQUENCE NUMBER: 70

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 568092 ITEM NUMBER: GT150.2G

TEST CODE: CKT150 STSALL

1. DESCRIPTION: TN COORD

RESPONSIBLE AGENCY: WSC/GSFC

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUBSUPPLIER: WSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/23/04

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[PRD] DATABASE RECORD: 567701 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT157G DATE LAST CHANGED: 12/01/06 SECTION: 2750 TIME LAST CHANGED: 10:07:57

REQUESTER: GSFC MSFC JSC

TEST CODE: FULL-TIME STSALL

ASSOCIATED DOC: ISS VOL-I

1. DESCRIPTION: NISN COMM COORD

Responsible Agency: GSFC

REF	CAP	NOTE	TERMINATION LOCATION
T1	T/M	1	EXTEND TO JSC
H2	T/M	1	EXTEND TO MSFC
G3	T/M	1	DISTRIBUTION TO GSFC NISN
			ITERNAL AREAS

NOTE: 1.Orderwire between JSC OST, GSFC COMM Manager, and MSFC NISN Service Group for all NISN related voice and data issues.

FLS2750.033 PAGE SEQUENCE NUMBER: 71 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 567701

ITEM NUMBER: GHT157G

REF: ISS VOL-I ITEM GHT8G SECTION 2750 DBR 561754

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/22/02

______ [PRD] DATABASE RECORD: 557526 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: APPROVAL DATE: 11/14/02 T-T.TH INITIAL DATE: 11/06/00 ITEM NUMBER: GHT157.1T DATE LAST CHANGED: 09/28/07

SECTION: 2750 TIME LAST CHANGED: 12:30:49

REQUESTER: GSFC MSFC JSC

FULL-TIME STSALL TEST CODE:

ASSOCIATED DOC: ISS VOL-I

1. DESCRIPTION: NISN COMM COORD

Responsible Agency: JSC

NOTE TERMINATION LOCATION REF CAP ----_____ т1 T/M1 MCC DISTRIBUTION

NOTE: 1. Orderwire between JSC OST, GSFC COMM MANAGER, and MSFC NISN Service Group for all NISN related voice and data issues.

REF: ISS VOL-I ITEM TH8.1GT SECTION ISO2750 DBR 557096

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/14/02

______ [PRD] DATABASE RECORD: 567703 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

DATE LAST CHANGED: 10/14/04 ITEM NUMBER: GHT157.2H

______ PAGE SEQUENCE NUMBER: 72 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 567703 ITEM NUMBER: GHT157.2H

2750 TIME LAST CHANGED: 09:29:24 SECTION:

GSFC MSFC FULL-TIME STSALL MSFC JSC REQUESTER:

TEST CODE:

ASSOCIATED DOC: ISS VOL-I

1. DESCRIPTION: NISN COMM COORD

Responsible Agency: MSFC

REF	CAP	NOTE	TERMINATION LOCATION
Н1	T/M	1	DISTRIBUTION TO MSFC ENMC/RSEG
υЭ	т /м	2	הדפיים דמויידר או ייר אפנים ערפס

T/M 2 DISTRIBUTION TO MSFC HOSC

NOTE: 1. Orderwire between JSC OST, GSFC COMM MGR, and MSFC NISN (ENMC) and Russian Services Engineering Group (RSEG) for all NISN related voice and data issues.

2. Used for NISN voice and data communication issues between COMM MGR, JSC OST, MSFC IST, and others as required.

REF: ISS VOL-I ITEM GHT8.2H SECTION 2750 DBR 561755

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/21/02

______ [PRD] DATABASE RECORD: 558795 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 11/14/02 INITIAL DATE: 03/29/01 DOCUMENT ID: FLT-I ITEM NUMBER: GHT158G DATE LAST CHANGED: 01/24/07 TIME LAST CHANGED: 11:39:22 SECTION: 2750

GSFC MSFC REQUESTER: JSC

FULL-TIME STSALL TEST CODE:

ASSOCIATED DOC: ISS VOL-I

______ PAGE SEQUENCE NUMBER: 73 REF UDS NR 225 FLS2750.035

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 558795

ITEM NUMBER: GHT158G

1. DESCRIPTION: WSC PLAYBACK COORD

RESPONSIBLE AGENCY:GSFC

REF	CAP	NOTE	TERMINATION LOCATION
T1	T/M	1	EXTEND TO JSC
H2	T/M	1	EXTEND TO MSFC
G3	T/M	1	EXTEND TO WSC

NOTE: This circuit will be used for all Shuttle and Station Playbacks.

REF: ISS VOL-I ITEM GHT13G SECTION 2750 DBR 558796

AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER SUPPLIER: GSFC

SUBSUPPLIER: WSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/22/02

._____

[PRD] DATABASE RECORD: 567706 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT158.1T DATE LAST CHANGED: 09/28/07 SECTION: 2750 TIME LAST CHANGED: 12:30:47

GSFC -MSFC REOUESTER: JSC

FULL-TIME STSALL TEST CODE:

ASSOCIATED DOC: ISS VOL-I

WSC PLAYBACK COORD 1. DESCRIPTION:

RESPONSIBLE AGENCY: JSC

REF CAP NOTE TERMINATION LACTION

______ PAGE SEQUENCE NUMBER: 74 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I
PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/
OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)
PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 567706 ITEM NUMBER: GHT158.1T

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T1 T/M 1 TELCOM CONSOLES

NOTE: 1. THIS CIRCUIT WILL BE USED FOR ALL SHUTTLE AND STATION

PLAYBACKS.

REF: ISS VOL-I ITEM GHT13.1T SECTION 2750 DBR 561724

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/14/02

[PRD] DATABASE RECORD: 567707 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT158.2H DATE LAST CHANGED: 10/14/04 SECTION: 2750 TIME LAST CHANGED: 09:29:24

REQUESTER: GSFC MSFC JSC

TEST CODE: FULL-TIME STSALL

ASSOCIATED DOC: ISS VOL-I

1. DESCRIPTION: WSC PLAYBACK COORD

RESPONSIBLE AGENCY: MSFC

NOTE: 1.THIS CIRCUIT WILL BE USED FOR ALL SHUTTLE AND STATION

PLAYBACK.

REF: ISS VOL-II ITEM GHT13.2H SECTION 2750 DBR 561725

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/21/02

FLS2750.037 PAGE SEQUENCE NUMBER: 75 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 563565 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 07/24/02

INITIAL DATE:

ITEM NUMBER: GX159G DATE LAST CHANGED: 01/24/07 2750 TIME LAST CHANGED: 11:39:56 SECTION:

DFRC

REQUESTER: GSFC TEST CODE: CKT159 FULL-TIME STSALL

1. DESCRIPTION: MISSION COMM ORDERWIRE

RESPONSIBLE AGENCY: GSFC

CAP NOTE TERMINATION LOCATION
T 1 Extend to DEEC REF

Т G1 1 Extend to DFRC

NOTE: 1. This is a communication troubleshooting order wire between

DFRC COMM and GSFC NISN.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

RESPONSE DATE: 07/24/02 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 563566 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 07/24/02

INITIAL DATE:

ITEM NUMBER: GX159.1X DATE LAST CHANGED: 02/12/04

TIME LAST CHANGED: 13:31:09 SECTION:

GSFC REQUESTER: DFRC

FULL-TIME STSALL TEST CODE: CKT159

1. DESCRIPTION: MISSION COMM ORDERWIRE

RESPONSIBLE AGENCY: DFRC

NOTE TERMINATION LOCATION CAP REF 1 DFRC COMM Distribution

NOTE: 1. This is a communication troubleshooting order wire between

DFRC COMM and GSFC NISN.

FLS2750.038

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 563566
ITEM NUMBER: GX159.1X

SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/03/02

[PRD] DATABASE RECORD: 563576 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/03/05

ITEM NUMBER: GT160T

[PRD] DATABASE RECORD: 563577 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 11/03/05

ITEM NUMBER: GT160.1G

[PRD] DATABASE RECORD: 563578 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/05/05

INITIAL DATE:

 ITEM NUMBER:
 GH161G
 DATE LAST CHANGED:
 12/01/06

 SECTION:
 2750
 TIME LAST CHANGED:
 10:07:57

REOUESTER: GSFC MSFC

TEST CODE: CKT161 FULL-TIME STSALL

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: GSFC

REF CAP NOTE TERMINATION LOCATION
H1 T Extend to MSFC
G2 T Extend to KSC/CDSC
G3 T Extend to WSC/WSSH
G4 T GSFC Local Distribution

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

FLS2750.039 PAGE SEQUENCE NUMBER: 77 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)

PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 563579 REQUIREMENT STATUS: APPROVED FLT-I DOCUMENT ID: APPROVAL DATE: 07/25/02

INITIAL DATE:

ITEM NUMBER: GH161.1H DATE LAST CHANGED: 10/14/04

TIME LAST CHANGED: 09:29:24 SECTION: 2750

GSFC CKT161 MSFC REQUESTER:

TEST CODE: FULL-TIME STSALL

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: MSFC

CAP REF NOTE TERMINATION LOCATION

н1 Т Extend for MSFC Distribution

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/12/03

_____ _____

[PRD] DATABASE RECORD: 563580 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 07/25/02 DOCUMENT ID: FLT-I

INITIAL DATE:

ITEM NUMBER: GH161.2K DATE LAST CHANGED: 03/19/07

SECTION: 2750 TIME LAST CHANGED: 12:08:16

GSFC REOUESTER: MSFC TEST CODE: ${ t FULL-TIME}$ STSALL

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: KSC/CDSC

REF CAP NOTE TERMINATION LOCATION

G1 Extend to MILA

AGENCY: KSC/PH-B SUPPLIER: KSC (KENNEDY SPACE CENTER

IT-D2-A KICS-105 SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/25/02

PAGE SEQUENCE NUMBER: 78 REF UDS NR 225 FLS2750.040

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

______ [PRD] DATABASE RECORD: 581083 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 05/12/05 INITIAL DATE: 03/15/05

ITEM NUMBER: HKTY169T DATE LAST CHANGED: 09/28/07 TIME LAST CHANGED: 12:30:49 2750 SECTION:

REQUESTER: MSFC KSC JSC

NASA HQ JSC/MS2 SUBREQUESTER:

LAEORB TEST CODE: ALPHSE PREFLT

STSALL

IMAGERY INTEGRATION 1. DESCRIPTION:

RESPONSIBLE AGENCY: JSC

NOTE REF CAP TERMNATION LOCATION ---1 T/M T/M T/M T1 EXTEND TO MER/SE&I 1 1 EXTEND TO KSC/CDSC K2 H3 EXTEND TO MSFC/HOSC Y4 M EXTEND TO GSFC

NOTE: 1.Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and coordinating the results of imagery reviews.

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/13/05

______ [PRD] DATABASE RECORD: 582739 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 05/12/05 INITIAL DATE: 05/12/05 DOCUMENT ID: FLT-I

ITEM NUMBER: HKTY169.3G DATE LAST CHANGED: 12/01/06 2750 TIME LAST CHANGED: 10:07:59 SECTION:

KSC REQUESTER: MSFC JSC

NASA HQ

LAEORB PREFLT TEST CODE: ALPHSE

STSALL

1. DESCRIPTION: IMAGERY INTEGRATION

______ PAGE SEQUENCE NUMBER: 79 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

RUN DATE: 01/12/09 PUBLICATION DATE: 10/11/90 REVISION: 0000

CONTINUED

[PRD] DATABASE RECORD: 582739 ITEM NUMBER: HKTY169.3G

RESPONSIBLE AGENCY: GSFC

REF CAP NOTE TERMNATION LOCATION ---_____ ----1 Y1 M EXTEND TO NASA HO

NOTE: 1. Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and coordinating the results of imagery reviews.

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

______ _____

[PRD] DATABASE RECORD: 581086 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 05/12/05
INITIAL DATE: 03/15/05 DOCUMENT ID: FLT-I

ITEM NUMBER: KTY170T DATE LAST CHANGED: 09/28/07 SECTION: 2750 TIME LAST CHANGED: 12:30:49

KSC REQUESTER: JSC NASA HQ

JSC/MS2 SUBREQUESTER:

ALPHSE TEST CODE: LAEORB PREFIT

STSALL

1. DESCRIPTION: MER COORD

RESPONSIBLE AGENCY: JSC

REF	CAP	NOTE	TERMNATION LOCATION
T1	T/M	1	EXTEND TO MER/SE&I
K2	T/M	1	EXTEND TO KSC/CDSC
Y3	M		EXTEND TO GSFC

NOTE: 1.Discussions between Orbiter Project Management located at KSC and the MER Management team located at JSC.

______ PAGE SEQUENCE NUMBER: 80 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 581086

ITEM NUMBER: KTY170T

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

RESPONSE DATE: 06/13/05 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 582741 REOUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 05/12/05

INITIAL DATE: 05/12/05 ITEM NUMBER: DATE LAST CHANGED: 12/01/06 KTY170.2G

2750 SECTION: TIME LAST CHANGED: 10:07:59

KSC REQUESTER: JSC NASA HQ

LAEORB TEST CODE: ALPHSE PREFLT

STSALL

1. DESCRIPTION: MER COORD

RESPONSIBLE AGENCY: GSFC

CAP NOTE TERMINATION LOCATION REF ---___ ---------M Y1 EXTEND TO NASA HO

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

[PRD] DATABASE RECORD: 582743 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 05/12/05 INITIAL DATE: 05/12/05 DOCUMENT ID: FLT-I

ITEM NUMBER: TY175.2G DATE LAST CHANGED: 12/01/06 TIME LAST CHANGED: 10:07:59 SECTION: 2750

JSC NASA HQ REQUESTER:

LAEORB PREFLT TEST CODE: ALPHSE

STSALL

1. DESCRIPTION: MER 1

______ PAGE SEQUENCE NUMBER: 81 REF UDS NR 225 FLS2750.043

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 582743 ITEM NUMBER: TY175.2G

RESPONSIBLE AGENCY: GSFC

REF CAP NOTE TERMINATION LOCATION ----______ M Y1 EXTEND TO NASA HQ

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

[PRD] DATABASE RECORD: 582746 REQUIREMENT STATUS: APPROVED DOCUMENT ID: APPROVAL DATE: 05/12/05 INITIAL DATE:

ITEM NUMBER: TY176.2G DATE LAST CHANGED: 12/01/06 TIME LAST CHANGED: 10:07:59 SECTION: 2750

JSC NASA HQ REOUESTER:

ALPHSE LAEORB PREFLT TEST CODE:

STSALL

1. DESCRIPTION: MER 2

FLS2750.044

RESPONSIBLE AGENCY: GSFC

NOTE REF CAP TERMINATION LOCATION _____ ---___ ----Y1 M EXTEND TO NASA HO

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

RESPONSE DATE: 08/17/05 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 582748 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 05/12/05

INITIAL DATE: 05/12/05 ITEM NUMBER: TY177.2G DATE LAST CHANGED: 12/01/06

2750 TIME LAST CHANGED: 10:07:59 SECTION:

JSC REOUESTER: NASA HO

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 582748
ITEM NUMBER: TY177.2G

SUBREQUESTER: JSC/MER

TEST CODE: ALPHSE LAEORB PREFLT

STASLL

1. DESCRIPTION: OSI COORD

RESPONSIBLE AGENCY: GSFC

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2753 - TELETYPE TERMINATIONS

ITEM NUMBER: EGHKST1T

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2755 - VIDEO/DATA TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 254078 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 01/28/92

INITIAL DATE: 09/21/89 ITEM NUMBER: DATE LAST CHANGED: 05/06/05 2755 TIME LAST CHANGED: 10:29:27 SECTION:

GSFC REQUESTER:

ER ALPHSE TEST CODE: STSALL

1. DESCRIPTION: LAUNCH TRAJECTORY ACQUISITION SYSTEM (LTAS)

RESPONSIBLE AGENCY: 45 RANS

TEST CODE CAP NOTE TERMINATION LOCATION REF _____ ---

G1 T/O 1 ER RTCS

NOTE: 1. 2.4 kb/s - C-band data.

SUPPLIER: ER SUBSUPPLIER: AGENCY: 1 ROPS/DOU (45TH SPACE WING

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 01/28/92

[PRD] DATABASE RECORD: 336849 REOUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 09/21/89 09/21/89 INITIAL DATE:

ITEM NUMBER: G6K DATE LAST CHANGED: 02/21/07 TIME LAST CHANGED: 10:58:02 SECTION: 2755

REQUESTER: GSFC

TEST CODE: ALPHSE MIL STSALL

1. DESCRIPTION: LAUNCH TRAJECTORY ACQUISITION SYSTEM (LTAS)

RESPONSIBLE AGENCY: KSC

TEST CODE CAP NOTE TERMINATION LOCATION REF -----

R/T 1 CDSC extension to MILA

NOTE: 1. 2.4 kb/s - C-band data

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

I-IT-D2-C KICS-109 SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/21/89

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2755 - VIDEO/DATA TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 336849

ITEM NUMBER: G6K

[PRD] DATABASE RECORD: 338292 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/05/05 INITIAL DATE: 09/21/89
ITEM NUMBER: G7G DATE LAST CHANGED: 02/07/07
SECTION: 2755 TIME LAST CHANGED: 09:29:52

REQUESTER: GSFC

TEST CODE: ALPHSE MIL STSALL

1. DESCRIPTION: LAUNCH TRAJECTORY ACQUISITION SYSTEM (LTAS)

RESPONSIBLE AGENCY: GSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION
--- --- --- --- ---- G1
G1 R/O 1 GSFC
G2 R/O 1 MILA
G3 R/O 1 WLP
G4 R/O 1 WSSH via WSC

NOTE: 1. 2.4 kb/s - C-band data

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/02/05

[PRD] DATABASE RECORD: 10863 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/03/98 INITIAL DATE: 04/04/88 ITEM NUMBER: EGT13EGT DATE LAST CHANGED: 09/28/07

SECTION: 2755 TIME LAST CHANGED: 12:30:47

REQUESTER: ER GSFC JSC TEST CODE: ER LATROT MIL

STSALL

1. DESCRIPTION: INTER-CENTER VECTOR (ICV)

RESPONSIBLE AGENCY: GSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

FLS2755.002 PAGE SEQUENCE NUMBER: 86 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2755 - VIDEO/DATA TERMINATIONS

PUBLICATION DATE:	10/11/90	REVISION: 0000	RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 10863 ITEM NUMBER: EGT13EGT

_____ MCC for Distribution T1MCC Extend to GSFC T2G10 GSFC Extend to KSC/CDSC E11CDSC Extend to CCAFS-XY E12 CCAFS-XY Extend to RTCS

AGENCY: 1 ROPS/DOU (45TH SPACE WING SUPPLIER: ER)

ER SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/14/98

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/03/98

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/03/98

______ [PRD] DATABASE RECORD: 10864 REQUIREMENT STATUS: DELETED

DOCUMENT ID: FLT-I APPROVAL DATE: 09/07/88

ITEM NUMBER: EST14EGST

______ [PRD] DATABASE RECORD: 539482 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 11/25/02 DOCUMENT ID: FLT-IINITIAL DATE: 07/25/97 G16T ITEM NUMBER: DATE LAST CHANGED: 09/28/07

TIME LAST CHANGED: 12:30:49 SECTION:

GSFC REQUESTER:

TEST CODE: ALPHSE STSALL

1. DESCRIPTION: CUSTOMER ANCILLARY SYSTEM

RESPONSIBLE AGENCY: JSC

NOTE FROM JSC TO REF RATE DATA ------------

______ PAGE SEQUENCE NUMBER: 87 REF UDS NR 225 FLS2755.003

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2755 - VIDEO/DATA TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

CONTINUED

[PRD] DATABASE RECORD: 539482

ITEM NUMBER: G16T

G1 56Kbps CAS GSFC

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/25/02

[PRD] DATABASE RECORD: 568278 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/22/05

INITIAL DATE:

ITEM NUMBER: DATE LAST CHANGED: 02/08/07 G16.1G

SECTION: 2755 TIME LAST CHANGED: 14:37:39

REQUESTER: GSFC

SUBREQUESTER:
TEST CODE: MILA MSC SPIF WSC

ALPHSE STSALL

1. DESCRIPTION: CUSTOMER ANCILLARY SYSTEM

RESPONSIBLE AGENCY: GSFC

REF: RATE CAP FROM GSFC TO NOTE ----___ -----

56Kbps 56Kbps CAS G1 Extend to WSC Extend to KSC/CDSC G3 CAS Extend to MILA G4CAS G5 CAS Extend to NIC

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/22/05

[PRD] DATABASE RECORD: 568276 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/25/02

INITIAL DATE:

ITEM NUMBER: G16.2K DATE LAST CHANGED: 02/21/07 TIME LAST CHANGED: 10:58:37 SECTION: 2755

REQUESTER: GSFC SUBREQUESTER:

MILA TEST CODE: ALPHSE STSALL

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2755 - VIDEO/DATA TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 568276

ITEM NUMBER: G16.2K

1. DESCRIPTION: CUSTOMER ANCILLARY SYSTEM

RESPONSIBLE AGENCY: KSC

FROM KSC/CDSC TO NOTE REF RATE DATA -------_____

G1 56Kbps CAS MILA

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

SUBSUPPLIER: KICS-109

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/25/02

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2800 - VIDEO

RUN DATE: 01/12/09 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______ [PRD] DATABASE RECORD: 267096 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 03/07/94

ITEM NUMBER:

[PRD] DATABASE RECORD: 561822 REQUIREMENT STATUS: DELETED

APPROVAL DATE: 10/07/02 DOCUMENT ID: FLT-I

ITEM NUMBER: TY16EGK

[PRD] DATABASE RECORD: 581722 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 02/02/07

04/13/05 INITIAL DATE: ITEM NUMBER: DATE LAST CHANGED: 05/05/08 TGH18K

2800 SECTION: TIME LAST CHANGED: 11:29:41

JSC
SUBREQUESTER: JSC/MO
TEST CODE: GSFC MSFC

PREFLT STSALL

1. DESCRIPTION: ET TV VIDEO REQUIREMENT

KSC TV will distribute the switched analog ET TV in real-time to JSC, MSFC and GSFC.

AGENCY: KSC/PH-B SUPPLIER: KSC (KENNEDY SPACE CENTER

KICS-109 SUBSUPPLIER: IT-D2-C

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/30/08

______ PAGE SEQUENCE NUMBER: 90 REF UDS R 232 FLS2800.001

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2823 - VIDEO RECORDINGS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09

[PRD] DATABASE RECORD: 581850 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/18/05

INITIAL DATE: 04/18/05 ITEM NUMBER: G6EG DATE LAST CHANGED: 02/07/07

2823 TIME LAST CHANGED: 09:29:52 SECTION:

REQUESTER: GSFC TEST CODE: LAUNCH

PREFLT STSALL

1. DESCRIPTION: ET TV ANALOG RECORDING AND DISPOSITION

Wallops, JDMTA, MILA and PDL are required to record the analog video from the ET TV Video camera utilizing the S-VHS recording equipment and hold until the end of the mission and then ship to GSFC for comparative analysis. JDMTA will record utilizing the GSFC provided equipment.

GSFC shipping address is as follows:

Honeywell Technology Solutions, Inc.

Goddard Corporate Park 7515 Mission Drive Lanham, Maryland 20706

ATTN: James Fernholz Phone: 301 805-3860

SUPPLIER: ER AGENC AGENCY: 1 ROPS/DOU (45TH SPACE WING)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/27/05

SUPPLIER: GSFC AGENCY: GSFC/450.1 (GODDARD SPACE FLIGHT CENTER)
SUBSUPPLIER: MILA PDL WLPS

RESPONDER: ANTHONY WILLIAMS 301 805-3459

RESPONSE DATE: 05/17/05 SUPPLIER COMMITMENT: WILCO

______ PAGE SEQUENCE NUMBER: 91 REF UDS NR 227

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 4200 - DATA DISPOSITION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______ [PRD] DATABASE RECORD: 260656 REOUIREMENT STATUS: DELETED DOCUMENT ID: FLT-I APPROVAL DATE: 03/01/07

ITEM NUMBER: G1

[PRD] DATABASE RECORD: 287663 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/18/97 INITIAL DATE: 02/08/90 DOCUMENT ID: FLT-I ITEM NUMBER: G2EHKTX DATE LAST CHANGED: 09/28/07 SECTION: 4200 TIME LAST CHANGED: 12:30:48

GSFC REQUESTER:

ALPHSE TEST CODE: DATADS EAFB

> ER STSALL

1. DESCRIPTION: POINT-OF-CONTACT

The Johnson Space Center and other participating Centers are requested to identify and provide in the PRD Point-of-Contacts to which data handling questions and problems may be directed for resolution.

REFERENCE: LLS, SECTION 4200, ITEM G3HKTX, DBR 245384

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING)

ER SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/24/97

RESPONSE: Point-of-Contact: Data Reduction/Analysis (321) 494-9767.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 03/12/01

RESPONSE: Point-of-Contact: Philip Cauthen, MSFC/E060 (256) 544-4204

AGENCY: KSC/PH-B (KENNEDY SPACE CENTER SUPPLIER: KSC

I-PZ-B USK-610 SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/24/97

______ PAGE SEQUENCE NUMBER: 92 REF UDS NR 402

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 4200 - DATA DISPOSITION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 01/12/09 ______

CONTINUED

[PRD] DATABASE RECORD: 287663

ITEM NUMBER: G2EHKTX

RESPONSE: Point of Contact: Douglas Overfelt/USK-668 321 861-1338

SUPPLIER: JSC AGENCY: JSC/DD (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/18/97

RESPONSE: Point-of-Contact: JSC/GC Office (281 483-6879)

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/19/97

RESPONSE: Point-of-Contact: Jerry McKee/DFRC (661) 276-3245

[PRD] DATABASE RECORD: 324737 REQUIREMENT STATUS: DELETED DOCUMENT ID: FLT-IAPPROVAL DATE: 06/06/94

ITEM NUMBER: G3HTX

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 4231 - DATA DISPOSITION - DETAIL - TELEMETRY

PUBLICATION DATE:			RUN DATE: 0	
[PRD] DATABASE RECO	RD:	340739		DELETED
ITEM NUMBER:			 	
[PRD] DATABASE RECO	RD:	275414	REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:	G25T		 	
[PRD] DATABASE RECO		279006	REQUIREMENT STATUS: APPROVAL DATE:	
ITEM NUMBER:				
[PRD] DATABASE RECO	RD:		REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:	_		 	
[PRD] DATABASE RECO	RD:		REQUIREMENT STATUS: APPROVAL DATE:	DELETED
ITEM NUMBER:	G28T			

THIS REPORT CONTAINS 94 PAGES

REPORT BY: FORM=06 DOC=FLT-I REQ= GYS P1030=N